STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO:	6. SURFACE:
ML-22649	State

1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

B. TYPE OF WELL: OIL ☐ GAS ☑ OTHER _____ SINGLE ZONE ☐ MULTIPLE ZONE ☑

8. UNIT or CA AGREEMENT NAME: NATURAL BUTTES UNIT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE LP

9. WELL NAME and NUMBER: NBU 922-32CT

3. ADDRESS OF OPERATOR: PO BOX 173779 CITY DENVER STATE CO ZIP 80217-3779

PHONE NUMBER: (720) 929-6666

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE: 809' FNL, 2154' FWL 631054X 39.957604

AT PROPOSED PRODUCING ZONE: SAME 4428410Y -109.464817

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 32 9S 22E S

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 54 MILES FROM VERNAL, UTAH

12. COUNTY: UINTAH

13. STATE: UTAH

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)	16. NUMBER OF ACRES IN LEASE:	17. NUMBER OF ACRES ASSIGNED TO THIS WELL:
809'	640	40
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	**19. PROPOSED DEPTH:**	**20. BOND DESCRIPTION:**
20'	9,340	RLB0005237
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):	**22. APPROXIMATE DATE WORK WILL START:**	**23. ESTIMATED DURATION:**
5024.6		10 DAYS

24. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
12 1/4	9 5/8 J-55 36 LTC	2,350	PREMIUM +2%CaCl	215 SK	1.18	15.60
			20 GAS SODIUM S	100	1018	15.6
7 7/8	4 1/2 1-80 11.6	9,340	PREMIUM LITE II+3%	450	3.38	11.6
			50/50 POZ/G	1470	1.31	14.3

25. ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER

☑ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER

☑ COMPLETE DRILLING PLAN

☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) RALEEN WHITE TITLE SR. REGULATORY ANALYST

SIGNATURE Raleen White DATE 6/3/2008

(This space for State use only)

API NUMBER ASSIGNED: 43-047-40133

APPROVAL:

Approved by the Utah Division of Oil, Gas and Mining

Date: 06-06-08

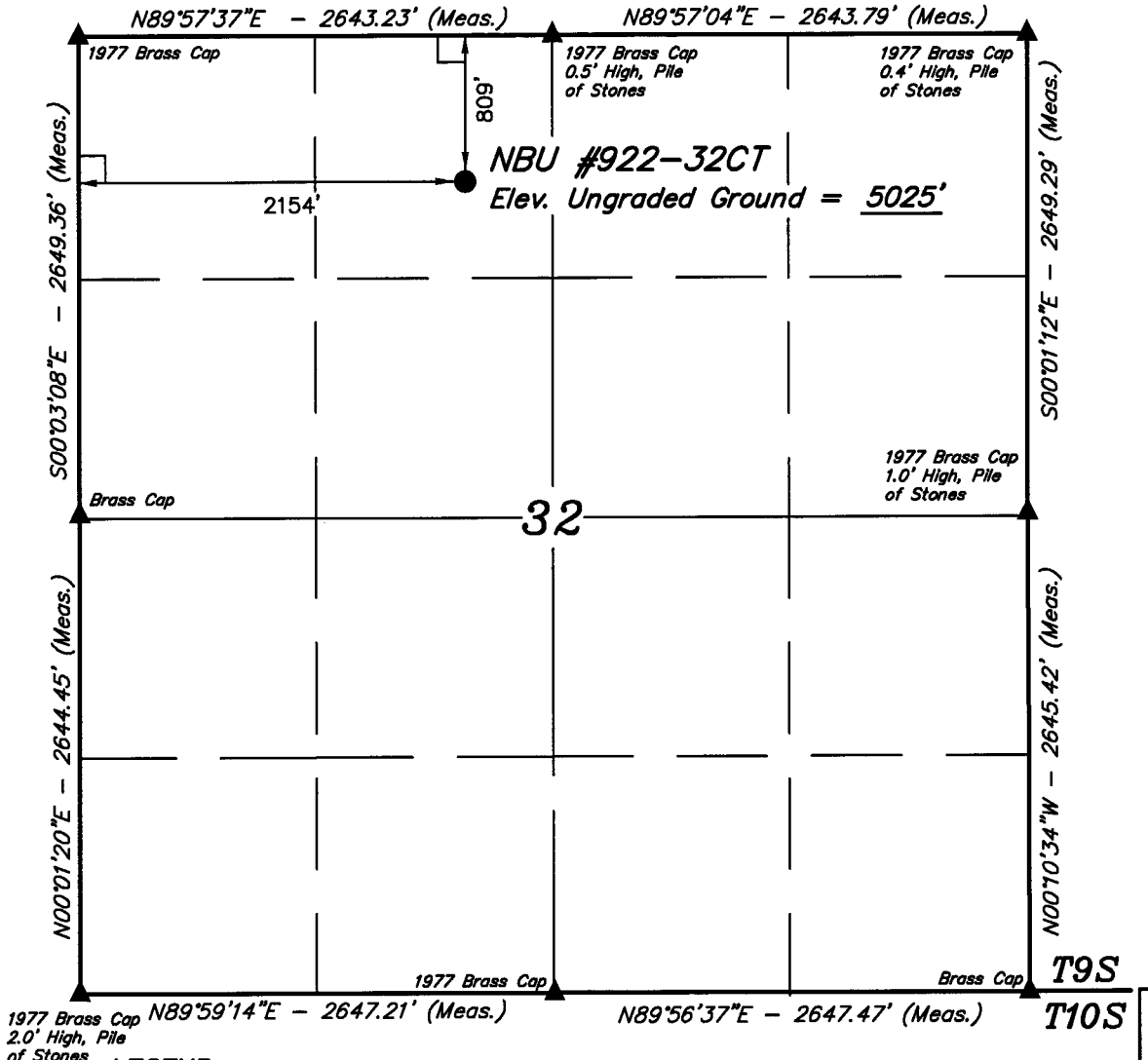
(See Instructions on Reverse Side)

By:

RECEIVED
JUN 05 2008
DIV. OF OIL, GAS & MINING

(11/2001)

T9S, R22E, S.L.B.&M.

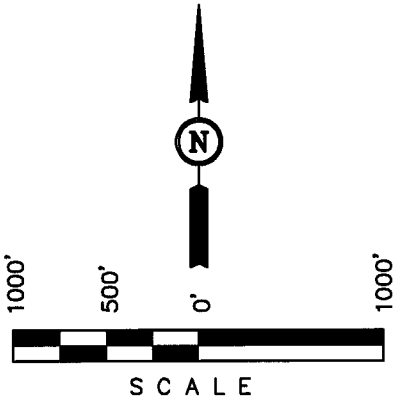


KERR McGEE OIL & GAS ONSHORE LP

Well location, NBU #922-32CT, located as shown in the NE 1/4 NW 1/4 of Section 32, T9S, R22E, S.L.B.&M., Uintah County, Utah.

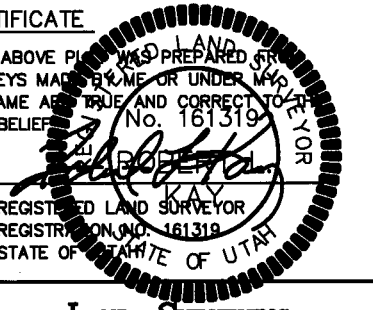
BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 39°59'51.22" (39.997561)
LONGITUDE = 109°27'56.15" (109.465597)
(NAD 27)
LATITUDE = 39°59'51.35" (39.997597)
LONGITUDE = 109°27'53.68" (109.464911)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789-1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	05-23-08	05-28-08
PARTY	**REFERENCES**	
T.A. S.K. L.K.	G.L.O. PLAT	
WEATHER	**FILE**	
WARM	Kerr McGee Oil & Gas Onshore LP	

NBU 922-32CT
NENW, SECTION 32, T9S, R22E
UINTAH COUNTY, UTAH
ML-22649

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

Formation	Depth
Uinta	0- Surface
Green River	1351'
Birds Nest	1670'
Mahogony	2043'
Wasatch	4580'
Mesaverde	7990'
TD	9340'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

Substance	Formation	Depth
	Green River	1351'
Water	Birds Nest	1670'
Water	Mahogony	2043'
Gas	Wasatch	4580'
Gas	Mesaverde	7990'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

Please refer to the attached Drilling Program.

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program.

5. **Drilling Fluids Program:**

Please refer to the attached Drilling Program.

6. **Evaluation Program:**

Please refer to the attached Drilling Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9340' TD, approximately equals 5791 psi (calculated at **0.62 psi/foot**).

Maximum anticipated surface pressure equals approximately 3736 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at **0.22** psi/foot).

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. Variances:

Please refer to the attached Drilling Program.

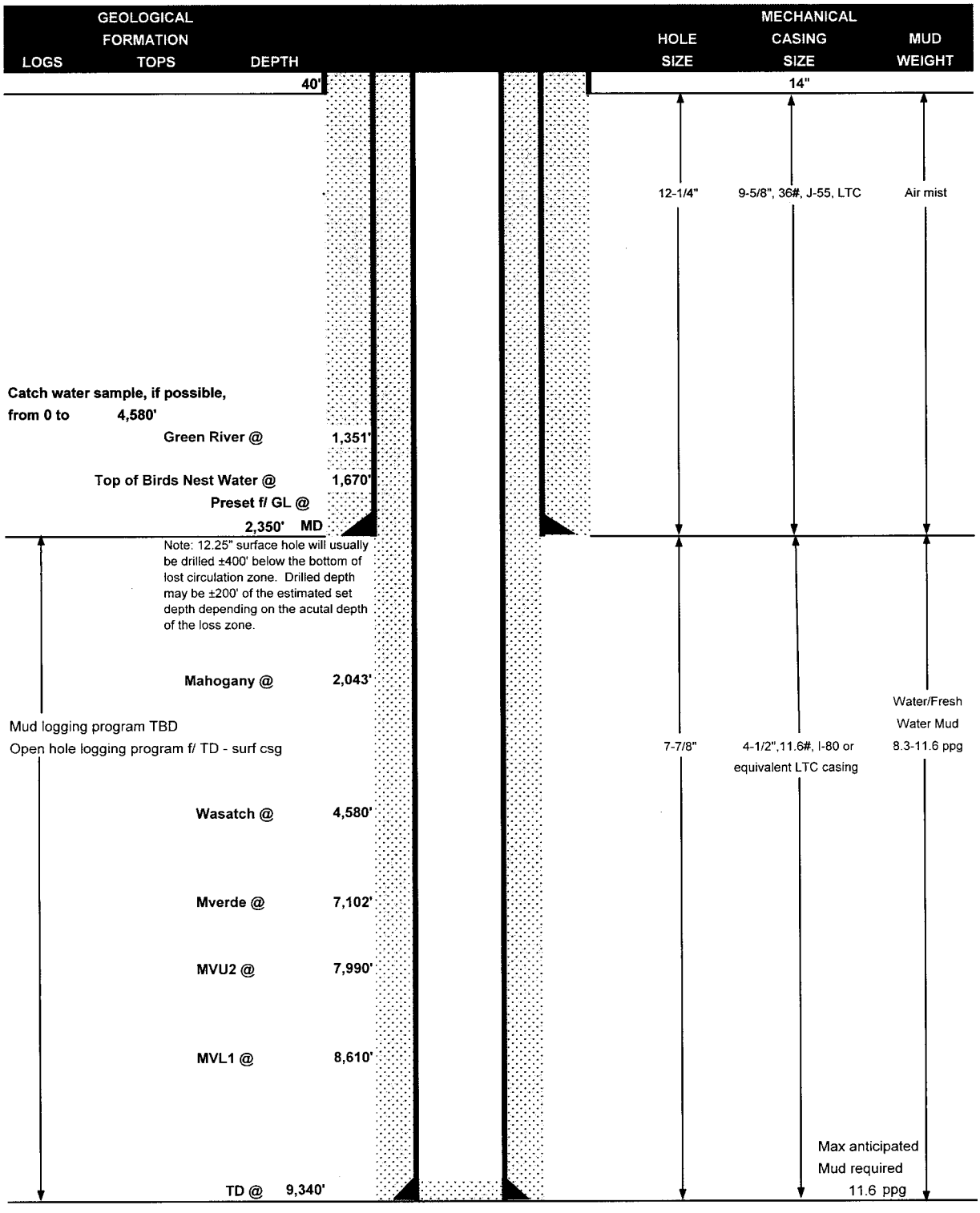
10. Other Information:

Please refer to the attached Drilling Program.

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP				DATE	June 3, 2008	
WELL NAME	**NBU 922-32CT**				TD	9,340' MD/TVD	
FIELD	Natural Buttes	COUNTY	Uintah	STATE Utah	ELEVATION	5,025' GL	KB 5,040'
SURFACE LOCATION	809' FNL, 2154' FWL					BHL	Straight Hole
NAD 83	Latitude: 39.997561		Longitude: 109.465597				
OBJECTIVE ZONE(S)	Wasatch/Mesaverde						
ADDITIONAL INFO	Regulatory Agencies: BLM (SURF & MINERALS), UDOGM, Tri-County Health Dept.						



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL			WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'								
								3520	2020	453000
SURFACE	9-5/8"	0	to	2,350'	36.00	J-55	LTC	0.98	1.84	6.11
								7780	6350	201000
PRODUCTION	4-1/2"	0	to	9340	11.60	I-80	LTC	2.17	1.13	2.13

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 11.6 ppg) .22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 3579 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1							
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		**NOTE: If well will circulate water to surface, option 2 will be utilized**					
Option 2	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	230	35%	11.60	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,080'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	450	60%	11.60	3.38
	TAIL	5,260'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1470	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____ **DATE:** _____

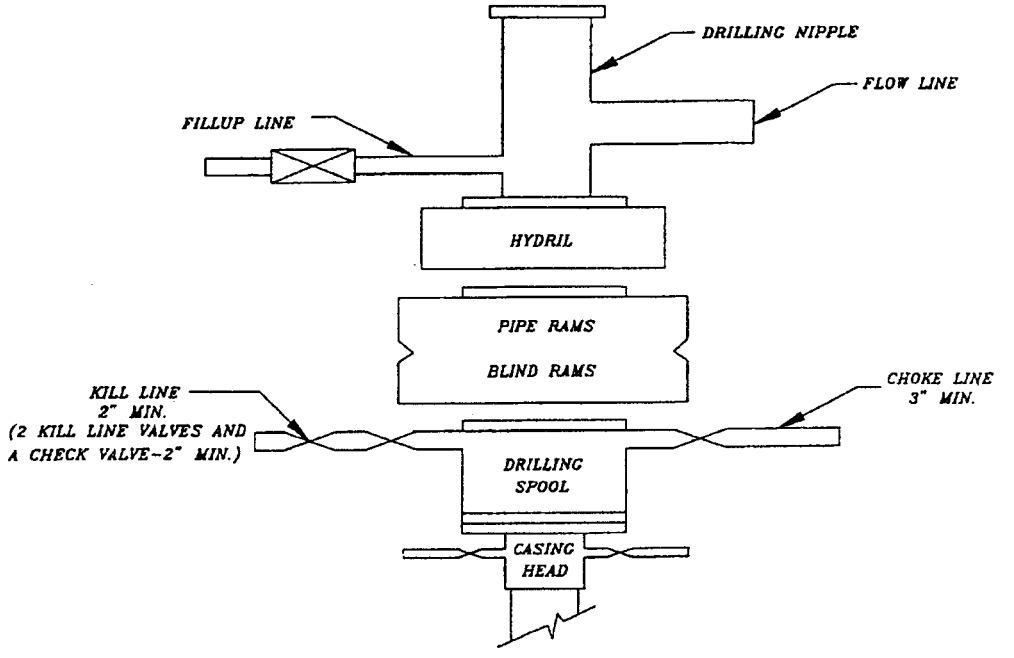
Brad Laney

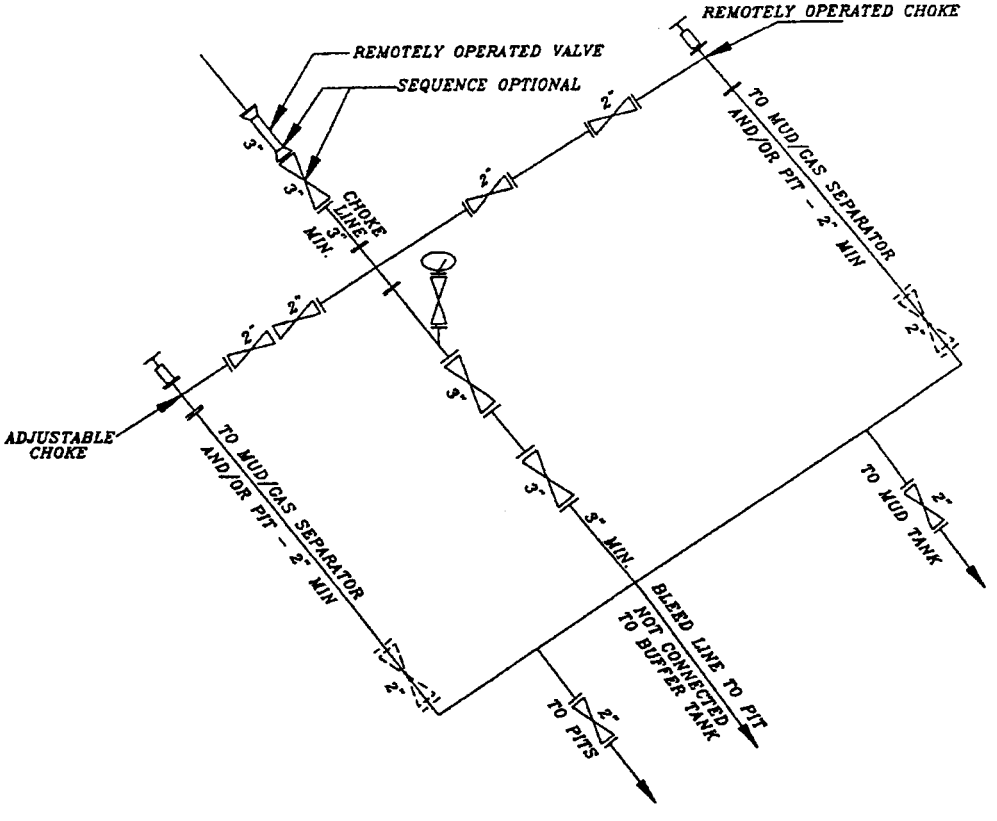
DRILLING SUPERINTENDENT: _____ **DATE:** _____

Randy Bayne

dhd 922-32CT

5M BOP STACK and CHOKE MANIFOLD SYSTEM





NBU 922-32CT
NENW SEC 32-T9S-R22E
Uintah County, UT
ML-22649

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. **Planned Access Roads:**

No new access road is proposed. Refer to Topo Map B for the location of existing access road.

The upgraded portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet. Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

3. **Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities:**

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or

installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

No new pipeline is proposed for this location.

5. **Location and Type of Water Supply:**

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. **Source of Construction Materials:**

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. **Methods of Handling Waste Materials:**

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner and felt will be used, it will be a minimum of 20 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled By truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E , Pipeline Facility Sec. 36, T9S, R20E,Goat Pasture Evaporation Pond SW/4 Sec. 16, T10S, R22E, Bonanza Evaporation Pond Sec. 2, T10S, R23E

8. **Ancillary Facilities:**

None are anticipated.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

The reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. Plans for Reclamation of the Surface:

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

A plastic, nylon reinforced liner will be used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. Surface and Mineral Ownership:

SITLA
675 East 500 South, Suite 500
Salt Lake City, UT 84102

12. Other Information:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey has been completed and is attached.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it Within 460' of any non-committed tract lying within the boundaries of the Unit.

13. **Lessee's or Operators's Representative & Certification:**

Raleen White
Sr. Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6666

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435)781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by State Surety Bond #RLB0005236.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Raleen White

Raleen White

6-3-2008

Date

Kerr-McGee Oil & Gas Onshore LP
NBU #922-32CT
SECTION 32, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 4.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 2.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE EXISTING #241 AND THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 54.2 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #922-32CT

LOCATED IN UINTAH COUNTY, UTAH
SECTION 32, T9S, R22E, S.L.B.&M.

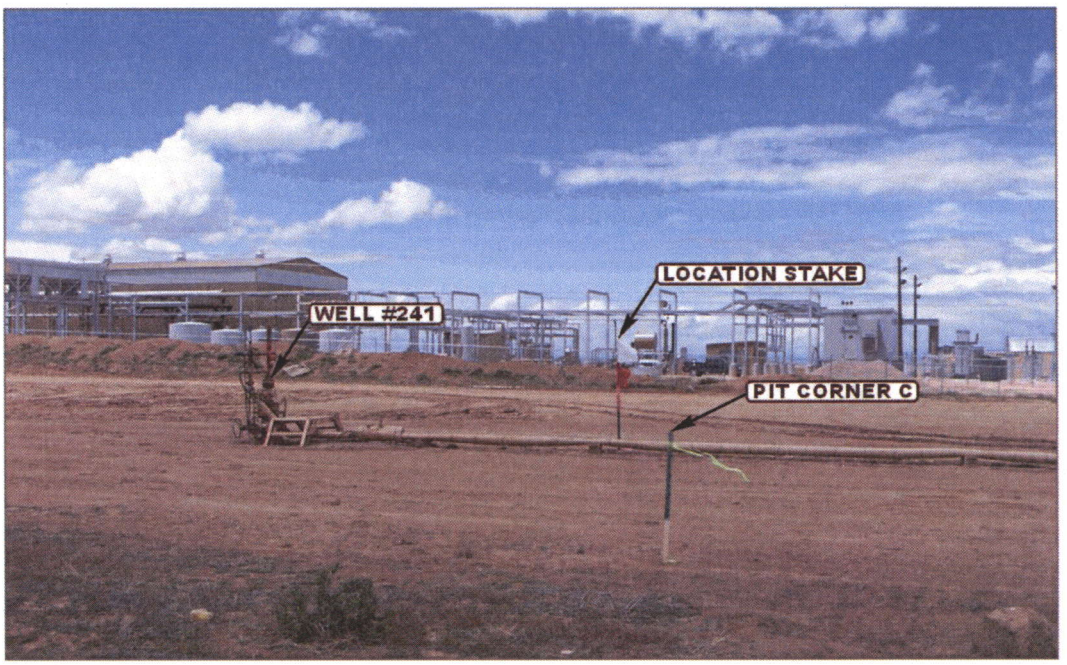


PHOTO: VIEW FROM PIT CORNER C TO LOCATION STAKE **CAMERA ANGLE: NORTHWESTERLY**

PHOTO: VIEW OF EXISTING ACCESS **CAMERA ANGLE: NORTHEASTERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	05 MONTH	29 DAY	08 YEAR	PHOTO
TAKEN BY: T.A.	DRAWN BY: L.K.	REVISED: 00-00-00		

Kerr-McGee Oil & Gas Onshore LP

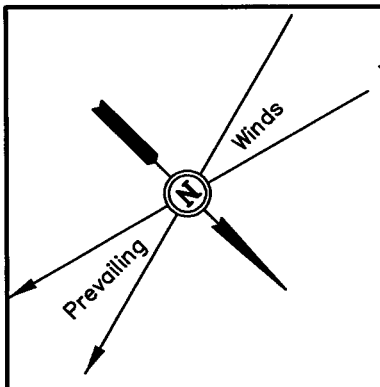
FIGURE #1

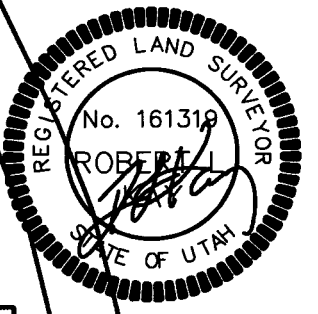
LOCATION LAYOUT FOR

NBU #922-32CT

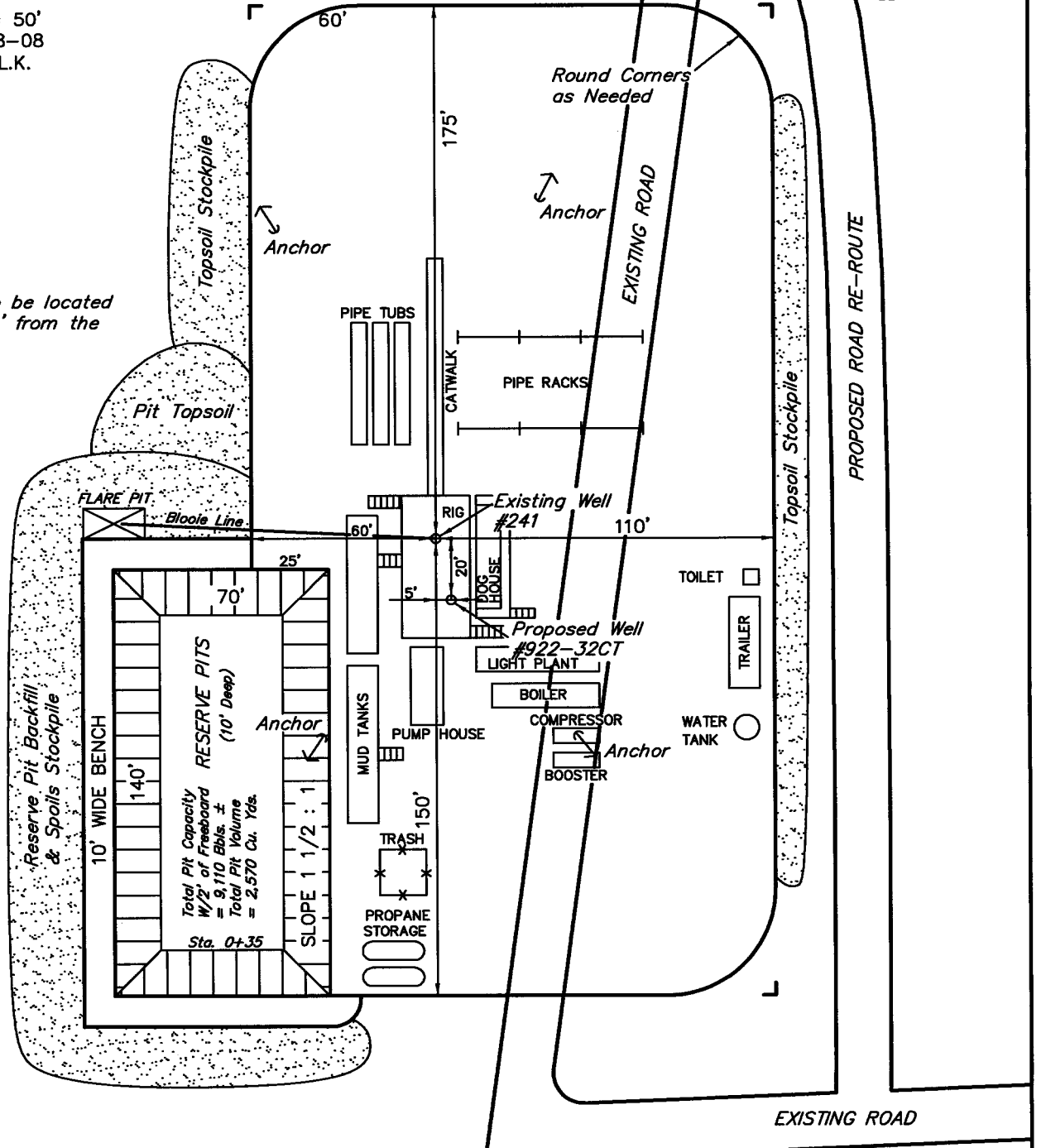
SECTION 32, T9S, R22E, S.L.B.&M.

809' FNL 2154' FWL





SCALE: 1" = 50'
DATE: 05-28-08
Drawn By: L.K.



NOTE:

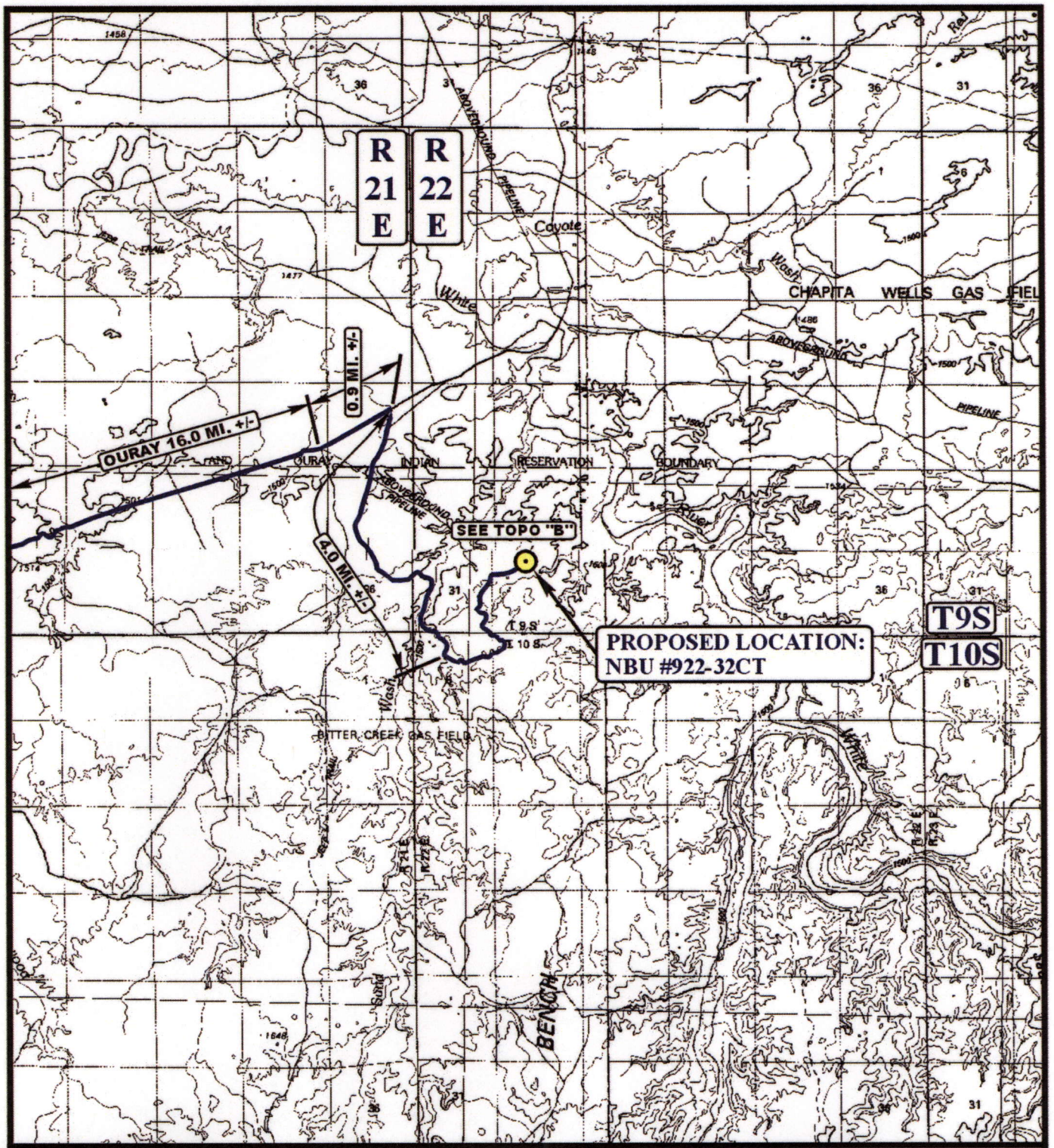
Flare Pit is to be located a min. of 100' from the Well Head.

NOTES:

FINISHED GRADE ELEV. AT LOC. STAKE = 5024.6'

UINTAH ENGINEERING & LAND SURVEYING

85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017



LEGEND:

PROPOSED LOCATION

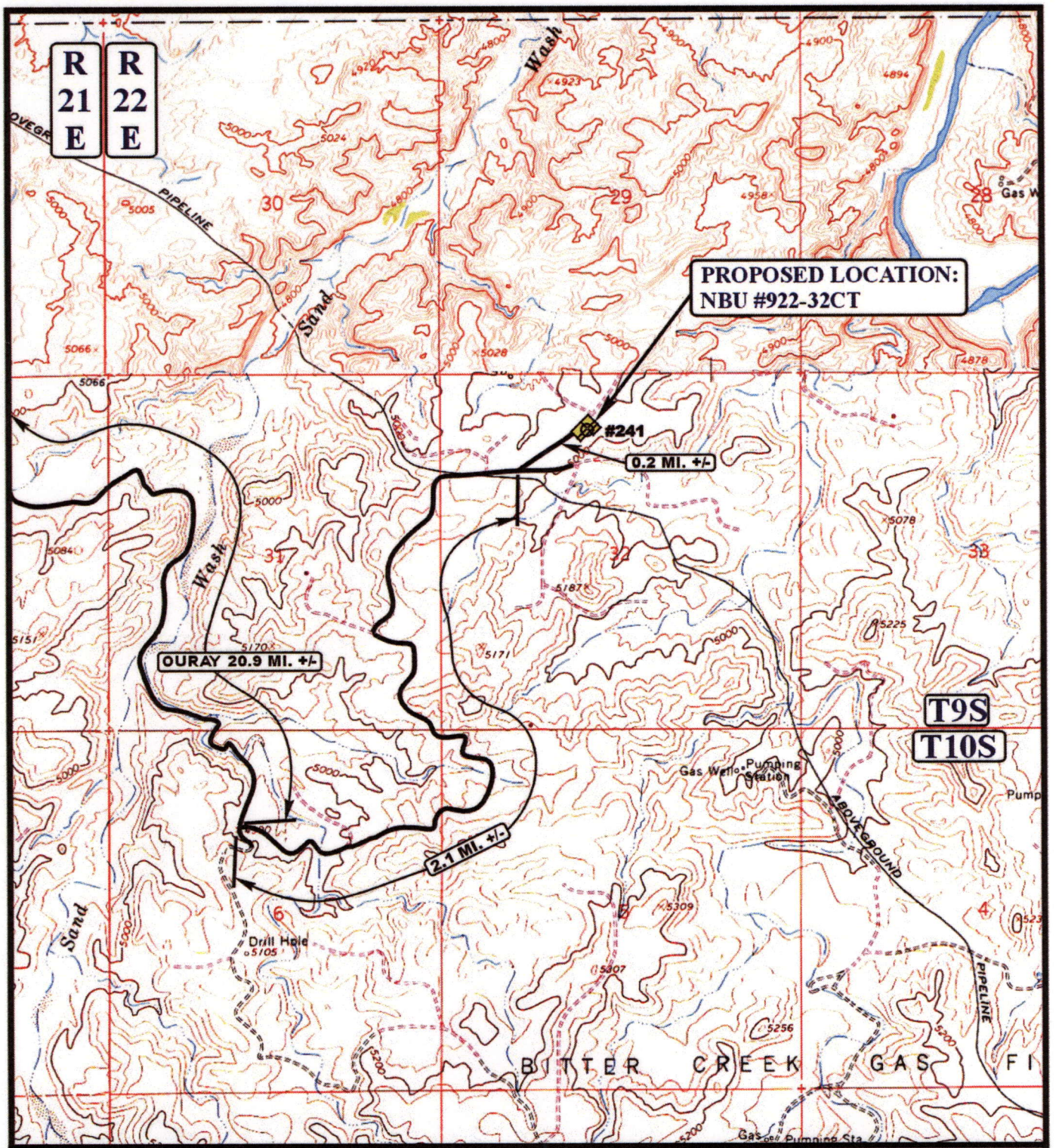
N

Kerr-McGee Oil & Gas Onshore LP

NBU #922-32CT
SECTION 32, T9S, R22E, S.L.B.&M.
809' FNL 2154' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	29 DAY	08 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: L.K.	REVISED: 00-00-00		



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

N

Kerr-McGee Oil & Gas Onshore LP

NBU #922-32CT

SECTION 32, T9S, R22E, S.L.B.&M.

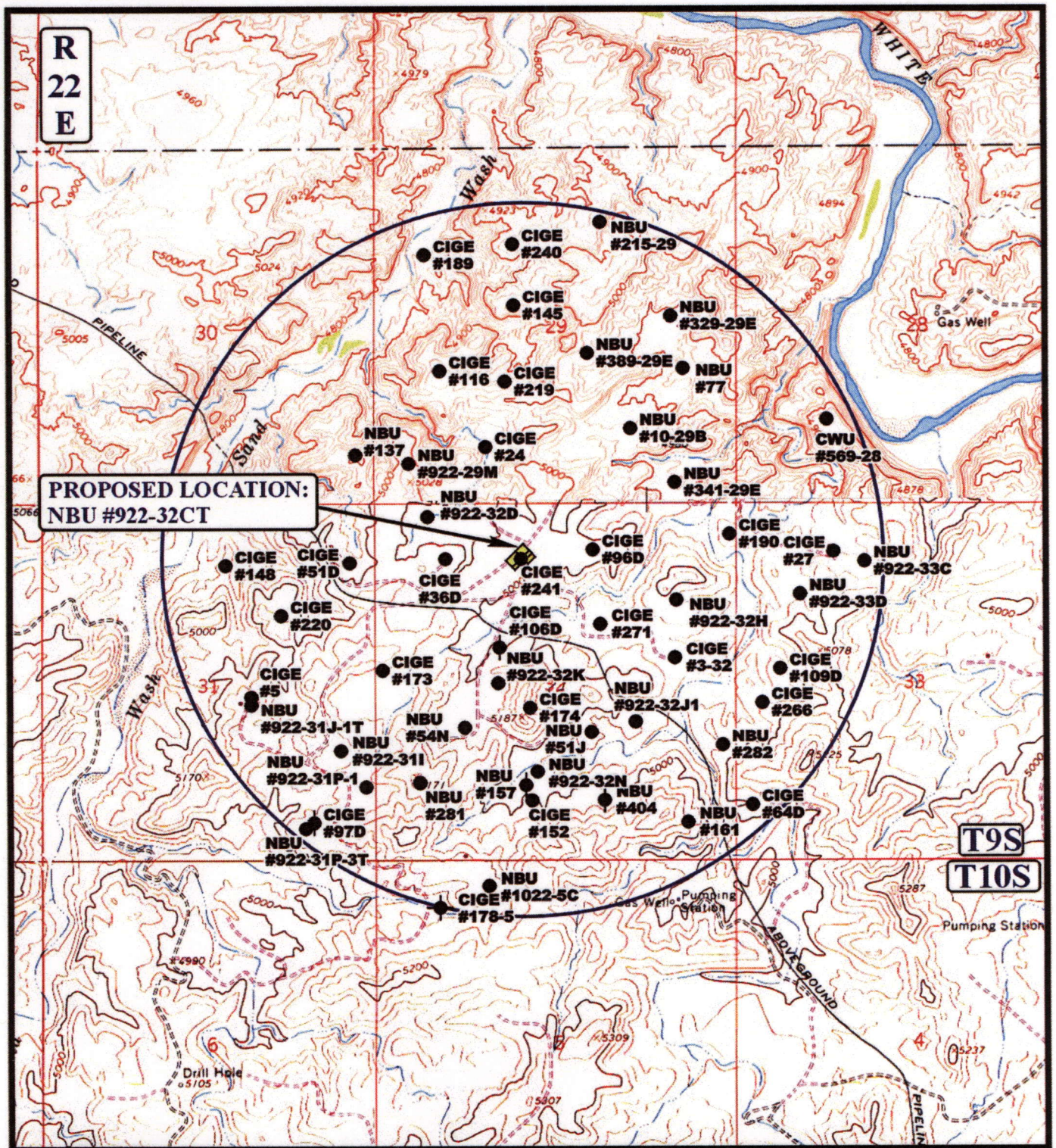
809' FNL 2154' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 05 MONTH | 29 DAY | 08 YEAR

SCALE: 1" = 2000' | DRAWN BY: L.K. | REVISED: 00-00-00

B TOPO



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

Kerr-McGee Oil & Gas Onshore LP

NBU #922-32CT
SECTION 32, T9S, R22E, S.L.B.&M.
809' FNL 2154' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	29 DAY	08 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: L.K.	REVISED: 00-00-00		

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/05/2008

API NO. ASSIGNED: 43-047-40133

WELL NAME: NBU 922-32CT
OPERATOR: KERR-MCGEE OIL & GAS (N2995)
CONTACT: RALEEN WHITE

PHONE NUMBER: 720-929-6666

PROPOSED LOCATION:
NENW 32 090S 220E
SURFACE: 0809 FNL 2154 FWL
BOTTOM: 0809 FNL 2154 FWL
COUNTY: UINTAH
LATITUDE: 39.99760 LONGITUDE: -109.4648
UTM SURF EASTINGS: 631054 NORTHINGS: 4428410
FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DKD	7/16/08
Geology		
Surface		

LEASE TYPE: 3 - State
LEASE NUMBER: ML-22649
SURFACE OWNER: 3 - State

PROPOSED FORMATION: MVRD
COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

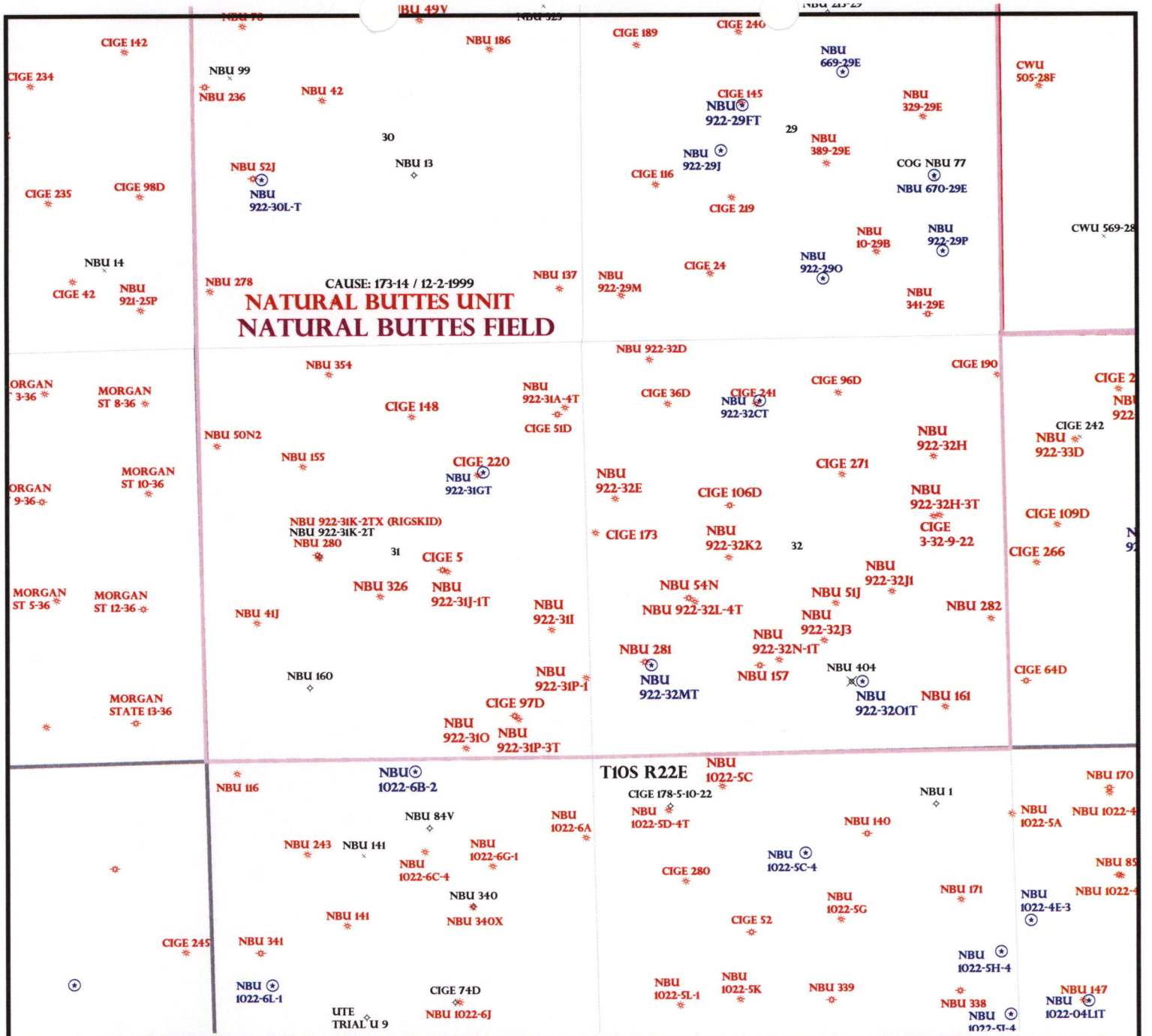
✓ Plat
✓ Bond: Fed[] Ind[] Sta[] Fee[]
(No. 22013542)
N Potash (Y/N)
Y Oil Shale 190-5 (B) or 190-3 or 190-13
✓ Water Permit
(No. 43-8496)
N RDCC Review (Y/N)
(Date:)
N/A Fee Surf Agreement (Y/N)
NM Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.
Unit: _____
___ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
___ R649-3-3. Exception
✓ Drilling Unit
Board Cause No: 173-14
Eff Date: 12-2-1999
Siting: 460' fr u.b.dry & uncomm. Tract
___ R649-3-11. Directional Drill

COMMENTS: Needs Presite (06-19-08)

STIPULATIONS: 1- Statement of Basis
2- Oil Shale
3- Surface Csg Cmt Stip



OPERATOR: KERR MCGEE O&G (N2995)

SEC: 31,32 T.9S R. 22E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

UTAH DNR
OIL, GAS & MINING

N
W E
S

PREPARED BY: DIANA MASON
DATE: 16-JUNE-2008

Application for Permit to Drill
Statement of Basis

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
814	43-047-40133-00-00		GW	S	No

Operator KERR-MCGEE OIL & GAS ONSHORE, L.P. **Surface Owner-APD**
Well Name NBU 922-32CT **Unit**
Field NATURAL BUTTES **Type of Work**
Location NENW 32 9S 22E S 809 FNL 2154 FWL GPS Coord (UTM) 631054E 4428410N

Geologic Statement of Basis

Kerr McGee proposes to set 2,350' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 3,500'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the proposed location . The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The production casing cement should be brought up above the base of the moderately saline ground water in order to isolate it from fresher waters up hole. The proposed casing and cement should adequately protect. Any usable ground water.

Brad Hill	7/3/2008
APD Evaluator	**Date / Time**

Surface Statement of Basis

The proposed NBU 922-32CT gas well is on the existing location of the CIGE #241 gas well. This well is planned to be plugged. A reserve pit 70' x 140' x 10' deep will be re-dug in the southeast corner of the location. The existing pad appears to be stable and should present no problems for drilling and operating the proposed well.

Floyd Bartlett	6/19/2008
Onsite Evaluator	**Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator KERR-MCGEE OIL & GAS ONSHORE, L.P.
Well Name NBU 922-32CT
API Number 43-047-40133-0 **APD No** 814 **Field/Unit** NATURAL BUTTES
Location: 1/4,1/4 NENW **Sec** 32 **Tw** 9S **Rng** 22E 809 FNL 2154 FWL
GPS Coord (UTM) 631049 4428406 **Surface Owner**

Participants

Floyd Bartlett and David Hackford (DOGM), Jim Davis (SITLA), Raleen White, Clay Einerson and Tony Kzneck (Kerr McGee) and David Kay (Uintah Engineering and Land Surveying).

Regional/Local Setting & Topography

The proposed NBU 922-32CT gas well is on the existing location of the CIGE #241 gas well. This well is planned to be plugged. A reserve pit 70' x 140' x 10' deep will be re-dug in the southeast corner of the location. The existing pad appears to be stable and should present no problems for drilling and operating the proposed well.

Surface Use Plan

Current Surface Use

Existing Well Pad

New Road Miles	Well Pad Width	Well Pad Length	Src Const Material	Surface Formation

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetland

Flora / Fauna

Soil Type and Characteristics

Erosion Issues

Sedimentation Issues

Site Stability Issues

Drainage Diverson Required

Berm Required?

Erosion Sedimentation Control Required?

Paleo Survey Run?	Paleo Potental Observed?	Cultural Survey Run?	Cultural Resources?

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	300 to 1320	10
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0
	Final Score	25 1 **Sensitivity Level**

Characteristics / Requirements

A reserve pit 70' x 140' x 10' deep will be re-dug in the southeast corner of the location.

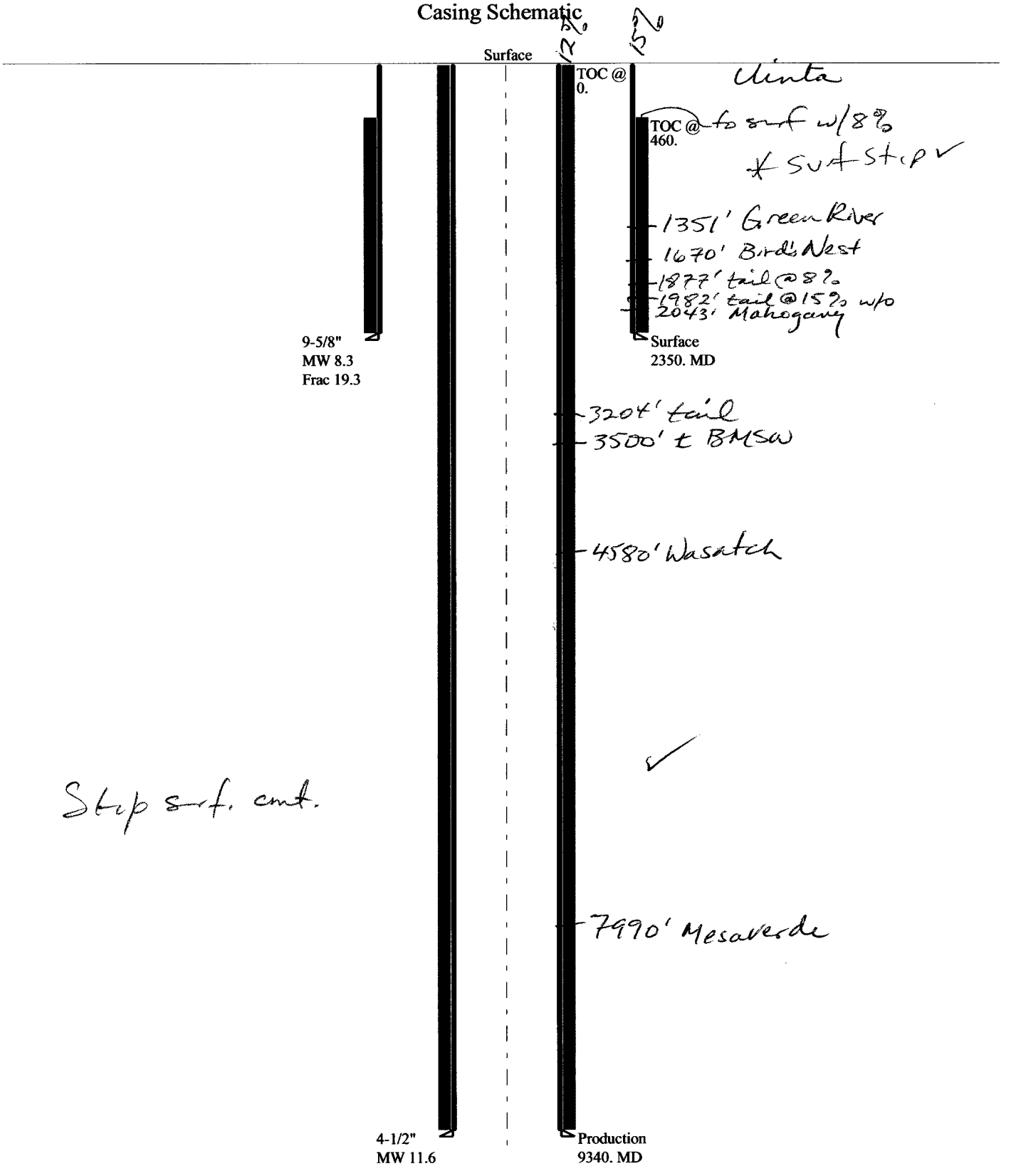
Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

Other Observations / Comments

Floyd Bartlett	6/19/2008
Evaluator	**Date / Time**

2008-07 Kerr McGee NBU 9ZZ-32CT

Casing Schematic



Well name:	**2008-07 Kerr McGee NBU 922-32CT**
Operator:	**Kerr McGee Oil & Gas Onshore L.P.**
String type:	Surface
Project ID:	43-047-40133
Location:	Uintah County, Utah

Design parameters:

Collapse

Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 2,068 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,350 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.50 (B)

Tension is based on buoyed weight.
Neutral point: 2,060 ft

Environment:

H2S considered?	No
Surface temperature:	75 °F
Bottom hole temperature:	108 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,300 ft
Cement top:	460 ft

Completion type is subs
Non-directional string.

Re subsequent strings:

Next setting depth:	9,340 ft
Next mud weight:	11.600 ppg
Next setting BHP:	5,628 psi
Fracture mud wt:	19.250 ppg
Fracture depth:	2,350 ft
Injection pressure:	2,350 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	2350	9.625	36.00	J-55	LT&C	2350	2350	8.796	1020.1

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1017	2020	1.986	2350	3520	1.50	74	453	6.11 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: (801) 538-5357
FAX: (801) 359-3940
Date: July 8,2008
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 2350 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**2008-07 Kerr McGee NBU 922-32CT**
Operator:	**Kerr McGee Oil & Gas Onshore L.P.**
String type:	Production
Project ID:	43-047-40133
Location:	Uintah County, Utah

Design parameters:

Collapse

Mud weight:	11.600 ppg
Internal fluid density:	2.300 ppg

Burst

Max anticipated surface pressure:	3,573 psi
Internal gradient:	0.220 psi/ft
Calculated BHP	5,628 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor	1.125

Burst:

Design factor	1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.50 (B)

Tension is based on buoyed weight.
Neutral point: 7,720 ft

Environment:

H2S considered?	No
Surface temperature:	75 °F
Bottom hole temperature:	206 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,500 ft
Cement top:	Surface

Completion type is subs
Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	9340	4.5	11.60	I-80	LT&C	9340	9340	3.875	815.1

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4512	6360	1.409	5628	7780	1.38	90	212	2.37 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: (801) 538-5357
FAX: (801) 359-3940
Date: July 8,2008
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 9340 ft, a mud weight of 11.6 ppg An internal gradient of .119 psi/ft was used for collapse from TD
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

BOPE REVIEW — Kerr-McGee NBU 922-32CT API 43-047-40133

INPUT

Well Name	Kerr-McGee NBU 922-32CT API 43-047-40133			
	String 1	String 2		
Casing Size (")	9 5/8	4 1/2		
Setting Depth (TVD)	2350	9340		
Previous Shoe Setting Depth (TVD)	40	2350		
Max Mud Weight (ppg)	8.4	11.6		
BOPE Proposed (psi)	500	5000		
Casing Internal Yield (psi)	3520	7780		
Operators Max Anticipated Pressure (psi)	5791	11.9 ppg		

Calculations	String 1	9 5/8 "	
Max BHP [psi]	.052*Setting Depth*MW =	1026	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	744	NO — Air Drill to surface shoe with diverter
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	509	NO
			***Can Full Expected Pressure Be Held At Previous Shoe?**
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	518	← NO Common in Area — no expected pressures
Required Casing/BOPE Test Pressure		2350	psi
***Max Pressure Allowed @ Previous Casing Shoe =**		40	psi *Assumes 1psi/ft frac gradient

Calculations	String 2	4 1/2 "	
Max BHP [psi]	.052*Setting Depth*MW =	5634	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	4513	YES ✓
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	3579	YES
			***Can Full Expected Pressure Be Held At Previous Shoe?**
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	4096	← NO Reasonable
Required Casing/BOPE Test Pressure		5000	psi
***Max Pressure Allowed @ Previous Casing Shoe =**		2350	psi *Assumes 1psi/ft frac gradient

KERR-McGEE OIL & GAS ONSHORE LP 1099 18TH STREET • DENVER, COLORADO 80202
720-929-6000

KerrMcGee

June 9, 2008

Utah Division of Oil, Gas & Mining
1594 W. North Temple, STE 1210
Salt Lake City, UT 84114-5801

Attention: Diana Mason

RE: Twin Locations

Dear Diana:

Per our email correspondences on June 6, 2008 Kerr-McGee Oil & Gas Onshore LP is submitting this letter regarding our twin program. We have several wells that plan to twin in the next few years. Our plan is to drill a second well bore to the Mesaverde formation The currently producing wells are producing from the Wasatch formation and many will be plugged prior to drilling the Mesaverde well. Below is a current list of locations that we plan to drill a twin Mesaverde well.

✓Wissiup 820-36PT	Twin to the Wissiup 36-114	NBU 1022-3FT	Twin to the NBU 286
✓Federal 821-33MT	Twin to the Federal 33-93	NBU 1022-5BT	Twin to the NBU 140
NBU 920-15FT	Twin to the CIGE 22	NBU 1022-5IT	Twin to the NBU 338
NBU 921-26IT	Twin to the NBU 68-N2	NBU 1022-8IT	Twin to the CIGE 250
NBU 921-30FT	Twin to the NBU 261	NBU 1022-9AT	Twin to the NBU 291
NBU 921-31BT	Twin to the NBU 378	NBU 1022-10HT	Twin to the NBU 293
NBU 921-35AT	Twin to the CIGE 54D	NBU 1022-10FT	Twin to the NBU 248
NBU 922-31CT	Twin to the NBU 354	✓NBU 921-03BT	Twin to SHOYO 3-162
✓NBU 922-31GT	Twin to the CIGE 220	✓NBU 921-20IT	Twin to CIGE 70
NBU 922-32O1T	Twin to the NBU 404	NBU 921-27MT	Twin to NBU 395
NBU 922-32F3T	Twin to the CIGE 106D	NBU 921-27OT	Twin to NBU 305
NBU 922-35IT	Twin to the CIGE 118	✓NBU 921-15MT	Twin to NBU 191
NBU 922-36NT	Twin to the CIGE 147	NBU 921-27HT	Twin to NBU 109
✓NBU 1022-1CT	Twin to the CIGE 105D	NBU 921-27KT	Twin to NBU 83J
NBU 921-27LT	Twin to NBU 214		

RECEIVED
JUN 11 2008
DIV. OF OIL, GAS & MINING

KERR-MCGEE OIL & GAS SHORE LP 1099 18 TREET • DENVER, COLORADO 80202
720-929-6000

KerrMcGee

NBU 1022-4N4T	Twin to NBU 148
NBU 922-31L4T	Twin to NBU 41J
NBU 1022-4L1T	Twin to NBU 147
NBU 1022-9F4T	Twin to NBU 150
NBU 1022-4P1T	Twin to NBU 208
NBU 1022-9D1T	Twin to NBU 151
NBU 1022-3G3T	Twin to NBU 185
NBU 1022-10A2T	Twin to NBU 117
NBU 921-11B3T	Twin to NBU 195
NBU 921-21E4T	Twin to NBU 127
NBU 921-8A4T	Twin to NBU 202

The above lists of well locations are planned for the 2008-2009 drilling program. This list may vary depending on the program. Please do not hesitate to call me if you have any further questions or need additional information.

Thank you,

Raleen White

Raleen White
Sr. Regulatory Analyst

Cc: SITLA – Ed Bonner
BLM Vernal Office – Verlyn Pindell

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

June 16, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2008 Plan of Development Natural Buttes Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ MesaVerde)		
43-047-40136	NBU 921-20IT	Sec 20 T09S R21E 1902 FSL 0822 FEL
43-047-40135	NBU 921-15MT	Sec 15 T09S R21E 0697 FSL 0406 FWL
43-047-40134	NBU 922-31GT	Sec 31 T09S R22E 1664 FNL 1349 FEL
43-047-40133	NBU 922-32CT	Sec 32 T09S R22E 0809 FNL 2154 FWL
(Proposed PZ Wasatch/MesaVerde)		
43-047-40129	NBU 1022-24B1AS	Sec 24 T10S R22E 1052 FNL 1583 FEL
		BHL Sec 24 T10S R22E 0150 FNL 1375 FEL
43-047-40130	NBU 1022-24B1DS	Sec 24 T10S R22E 1026 FNL 1637 FEL
		BHL Sec 24 T10S R22E 0540 FNL 1605 FEL
43-047-40131	NBU 1022-24G1S	Sec 24 T10S R22E 1044 FNL 1601 FEL
		BHL Sec 24 T10S R22E 1515 FNL 1580 FEL
43-047-40141	NBU 1022-24I1S	Sec 24 T10S R22E 2062 FSL 1130 FEL
		BHL Sec 24 T10S R22E 2330 FSL 0585 FEL
43-047-40142	NBU 1022-24G3S	Sec 24 T10S R22E 2037 FSL 1184 FEL
		BHL Sec 24 T10S R22E 2225 FNL 2140 FEL
43-047-40140	NBU 1022-24G2S	Sec 24 T10S R22E 2053 FSL 1148 FEL
		BHL Sec 24 T10S R22E 1815 FNL 2100 FEL

Our records indicate the 1022-24B1AS, 1022-24B1DS, 1022-24G1S and the 1022-24I1 bottom hole location is closer than 460 feet from the Natural Buttes Unit boundary.

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:6-16-08

From: Jim Davis
To: Bonner, Ed; Mason, Diana; Raleen.White@anadarko.com
Date: 9/4/2008 4:26 PM
Subject: Fwd: Kerr-McGee Wells

The following wells have been approved by SITLA including PALEO and arch clearance.

4304740133	NBU 922-32CT	Kerr-McGee Oil & Gas	Natural Buttes	NENW	32	090S	220E
S	UINTAH						
4304740134	NBU 922-31GT	Kerr-McGee Oil & Gas	Natural Buttes	SWNE	31	090S	220E
S	UINTAH						

-Jim

Jim Davis
Utah Trust Lands Administration
jimdavis1@utah.gov
Phone: (801) 538-5156

>>> Kristine Curry 9/4/2008 3:41 PM >>>
The following wells have been cleared for cultural resources:

Kerr-McGee's NBU #922-32CT [API #4304740133] (U-08-MQ-0461b,i,p,s)

Kerr-McGee's NBU #922-31GT [API #4304740134] (U-08-MQ-0461b,i,p,s)

I've updated the BS for both of these.

Kristine

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

September 8, 2008

Kerr-McGee Oil & Gas Onshore, LP
P O Box 173779
Denver, CO 80217-3779

Re: NBU 922-32CT Well, 809' FNL, 2154' FWL, NE NW, Sec. 32, T. 9 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40133.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
SITLA

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR
OIL, GAS & MINING

Operator: Kerr-McGee Oil & Gas Onshore, LP

Well Name & Number NBU 922-32CT

API Number: 43-047-40133

Lease: ML-22649

Location: NE NW **Sec.** 32 **T.** 9 South **R.** 22 East

Conditions of Approval

1. **General**

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

   The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

   - 24 hours prior to cementing or testing casing – contact Dan Jarvis
   - 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
   - 24 hours prior to spudding the well – contact Carol Daniels
   - Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
   - Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

   The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

   - Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
   - Any changes to the approved drilling plan – contact Dustin Doucet

   The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

   - Dan Jarvis at: (801) 538-5338 office (801) 942-0871 home
   - Carol Daniels at: (801) 538-5284 office
   - Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. **Reporting Requirements**

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

7. Surface casing shall be cemented to the surface.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22649

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 922-32CT

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304740133

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 809'FNL, 2154'FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 32 9S, 22E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: WELL SPUD
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 12/02/2008 AT 0900 HRS.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 12/3/2008

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DIV. OF OIL, GAS & MINING

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FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22649

SUNDRY NOTICES AND REPORTS ON WELLS

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QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 32 9S, 22E

STATE: UTAH

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	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: SET SURFACE CSG
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PROPETRO AIR RIG ON 12/18/2008. DRILLED 12 1/4" SURFACE HOLE TO 2420'. RAN 9 5/8" 36# J-55 SURFACE CSG. CMT W/300 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO RETURNS THROUGH OUT JOB 400 +/- PSI LIFT. TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE WOC. 2ND TOP OUT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE AND FELL BACK. 3RD TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT

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DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE Sheila Upchego DATE 12/29/2008

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FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22649

SUNDRY NOTICES AND REPORTS ON WELLS

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PHONE NUMBER: (435) 781-7024

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QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 32 9S, 22E

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Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: FINAL DRILLING OPERATIONS
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 2420' TO 9275' ON 01/11/2009. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/400 SX PREM LITE II @11.7 PPG 2.60 YIELD. TAILED CMT W/1250 SX 50/50 POZ @14.3 PPG 1.31 YIELD. WASH LINES DROP PLUG & DISPLACE W/143.3 BBLS WATER CLAY TREATED + 1 GAL MAGNACIDE @8.3 PPG BUMP PLUG W/3413 PSI PLUG HELD 2740 PUMPING PSI 673 OVER PSI LOST DISPLACEMENT 120 BBLS INTO DISPLACEMENT 1.5 BBL BLEED OFF ATTEMPT TO SET MANDREL PACKING ASSEMBLY #1 ASSEMBLY PULLED OUT AFTER LOCK DOWN REINSTALL PACKING ASSEMBLY #2 LOCK DOWN & TEST TO 5000 PSI. NIPPLE DOWN BOP CHLORINE TABS DOWN CSG INSTALL NIGHT CAP & CLEAN MUD PITS.

RELEASED PIONEER TIG 68 ON 01/13/2009 AT 1600 HRS.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 1/13/2009

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FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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SUNDRY NOTICES AND REPORTS ON WELLS

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	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: PRODUCTION START-UP
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 02/20/2009 AT 10:00 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE [signature] DATE 2/24/2009

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DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

ROCKIES

Operation Summary Report

Well: NBU 922-32CT	Spud Conductor: 12/2/2008	Spud Date: 12/18/2008
Project: UTAH	Site: UINTAH	Rig Name No: PROPETRO/, PIONEER 68/68
Event: DRILLING	Start Date: 12/2/2008	End Date: 1/13/2009
Active Datum: RKB @5,043.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/32/0/NENW/6/PM/N/809.00/W/0/2,154.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
12/18/2008	19:00 - 0:00	5.00	DRLSUR	02		P		DRILL F/ 40' TO 270'
12/19/2008	0:00 - 12:00	12.00	DRLSUR	02	A	P		DRILL F/ 270' TO 810'.
	12:00 - 0:00	12.00	DRLSUR	02	A	P		DRILL F/ 810' TO 1130'
12/20/2008	0:00 - 12:00	12.00	DRLSUR	02	A	P		DRILL F/ 1130' TO 1260' TFNB.
	12:00 - 0:00	12.00	DRLSUR	02	A	P		DRILL F/ 1260' TO 1600' CIRC W/ RIG PUMP.
12/21/2008	0:00 - 12:00	12.00	DRLSUR	02	A	P		DRILL F/ 1600' TO 1730' CIRC W/ SKID PUMP
	12:00 - 0:00	12.00	DRLSUR	02	A	P		DRILL F/ 1730' TO 1980' CIRC W/ SKID PUMP SURVEY 1/2 DEGREE
12/22/2008	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 2220'
	12:00 - 21:00	9.00	DRLSUR	02		P		RIG T/D @ 2420' CONDITION HOLE 1 HR RUN SURVEY 1 DEG.
	21:00 - 0:00	3.00	DRLSUR	05		P		TRIP DP OUT OF HOLE
12/23/2008	0:00 - 1:30	1.50	DRLSUR	05		P		FINISH TRIPPING DP OUT OF HOLE
	1:30 - 5:30	4.00	DRLSUR	11		P		RUN 2337' OF 9 5/8 CSG WAS UNABLE TO RUN LAST JNT LAY JNT DOWN AND LAND CSG RIG DOWN AIR RIG
	5:30 - 6:30	1.00	DRLSUR	15		P		CEMENT 1ST STAGE WITH 300 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK NO RETURNS THRUOUT JOB + - 400 PSI LIFT
	6:30 - 7:00	0.50	DRLSUR	15		P		1ST TOP JOB 150 SKS DOWN BS WOC
	7:00 - 14:00	7.00	DRLSUR	15		P		2ND TOP JOB 200 SKS DOWN BS GOOD CMT TO SURFACE AND FELL BACK WOC
	14:00 - 15:00	1.00	DRLSUR	15		P		3RD TOP JOB 100 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE
	15:00 - 15:00	0.00	DRLSUR					NO VISIBLE LEAKS PIT 55% FULL WORT
12/30/2008	12:00 - 0:00	12.00	RDMO	01	E	P		RIG DOWN ON THE NBU 922-34D-3 AND GET READY FOR TRUCKS.
12/31/2008	0:00 - 7:00	7.00	RDMO	01	E	P		RIG DOWN RIG AND READY FOR TRUCKS.
	7:00 - 14:00	7.00	RDMO	01	A	P		HOLD SAFETY MEETING W/ L &S TRUCKING AND J C CRANES SERVICE. (5 HUAL TRUCKS AND 3 BED TRUCKS, 4 SWAMPERS AND 2 FORKLIFTS.)(1 JC CRANE W/ 3 SWAMPERS) (11 PIONEER HANDS.) MOVE RIG OUT EXCEPT CAMPS AND PIPE TUBS. MUD TRAILER, AND MUD TANKS.
	14:00 - 18:00	4.00	MIRU	01	B	P		SET IN SUB, STEEL PITS, PUMPS, CARRIER, LIGHT PLANT, GAS BUSTER, DIESEL TANK, BOILER. STAND DOWN TRUCKS AND CRANE FOR NIGHT.
	18:00 - 0:00	6.00	MIRU	01	B	P		HALF MASS DERRICK AND RAISE SUB. RIG UP RIG. RIG 50% RIGGED UP.
1/1/2009	0:00 - 7:00	7.00	MIRU	01	B	P		RIG UP BACK YARD.
	7:00 - 13:00	6.00	MIRU	01	A	P		FINSIH RIG UP W/ CRANE, RELEASE CRANE 10:00 A.M. SET WATER TANKS, ACCUMMALATOR HOUSE, CAMPS AND PIPE TUBS, RELEASE TRUCK 13:00 (3 HUAL TRUCKS AND 2 BED TRUCKS.) RELEASE MOUNTAIN WEST HANDS 13:00
	13:00 - 0:00	11.00	MIRU	01	B	P		RIG UP RIG, RIG 100% RIGGED UP, START NIPPLE UP.

ROCKIES

Operation Summary Report

Well: NBU 922-32CT	Spud Conductor: 12/2/2008	Spud Date: 12/18/2008
Project: UTAH	Site: UINTAH	Rig Name No: PROPETRO/, PIONEER 68/68
Event: DRILLING	Start Date: 12/2/2008	End Date: 1/13/2009
Active Datum: RKB @5,043.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/32/0/NENW/6/PM/N/809.00/W/0/2,154.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
1/2/2009	0:00 - 6:00	6.00	DRLPRO	13	A	P		LOCK DOWN FMC LOCKDOWN FLANGE AND SPOOL AND TEST TO 5000 PSI FOR 10 MIN, NIPPLE UP BOP'S, CHOKE LINE, INSTALL ROT HEAD AND FLOWLINE. INSTALL HYDRALIC LINES AND FUNCTION TEST.
	6:00 - 11:30	5.50	DRLPRO	13	C	P		PRESSURE TEST BOP EQUIPMENT TO 5000 PSI FOR 10 MIN AND 250 PSI FOR 5 MIN. TEST ANNULLAR TO 2500 PSI FOR 10 MIN AND 250 PSI FOR 5 MIN. TEST CSG TO 1500 PSI FOR 30 MIN. INSTALL WEAR BUSHING.
	11:30 - 13:30	2.00	DRLPRO	17		P		DO PRE SPUD INSPECTION. PRIME PUMPS, HOLD SAFETY MEETING, WASH OUT MOUSE HOLE TO INSTALL MOUSE HOLE SOCK.
	13:30 - 18:00	4.50	DRLPRO	05	A	P		HOLD SAFETY MEETING W/ WEATHERFORD TRS, RIG UP LAYDOWN TRUCK AND P/U BHA AND DRILL STRING, RIG DOWN LAYDOWN TRUCK.
	18:00 - 21:00	3.00	DRLPRO	06	D	P		HOLD JSA, SLIP AND CUT DRILL LINE. RIG SERVICE.
	21:00 - 23:00	2.00	DRLPRO	13	B	P		INSTALL ROT. HEAD RUBBER, TOUQUE KELLY, TIGHTEN DRESSER SLEEVES FOR FLOW LINE, CHECK GAS BUSTER, CHANGE OUT FLOWLINE SENSORS.
	23:00 - 0:00	1.00	DRLPRO	02	F	P		DRILL CEMENT FROM 2240'.
1/3/2009	0:00 - 2:30	2.50	DRLPRO	02	F	P		DRILL CEMENT F/ 2240' TO 2438' (FLOAT @ 2309', SHOE 2359'.
	2:30 - 9:00	6.50	DRLPRO	02	B	P		ROT. SPUD 2/3/2009 02:30 DRILL F/ 2438' TO 3029' (591', 91'/HR)
	9:00 - 9:30	0.50	DRLPRO	09	B	P		SURVEY W/ WIRELINE MULTISHOT TOOL. 2954'= .8 DEGREES , AZMITH 177.3
	9:30 - 14:30	5.00	DRLPRO	02	B	P		DRILL F/ 3029' TO 3472' (443', 89'/HR)
	14:30 - 21:00	6.50	DRLPRO	02	B	P		DRILL F/ 3472' TO 4041' (569', 88'/HR) MUD WT 8.9 VIS 32
	14:30 - 14:30	0.00	DRLPRO	06	A	P		RIG SERVICE. FUNCTION BOP'S.
	21:00 - 21:30	0.50	DRLPRO	09	B	P		SURVEY WITH MAGNETIC WIRELINE TOOL 3966' = 2.7 DEGREES AZI = 154.2
	21:30 - 0:00	2.50	DRLPRO	02	B	P		DRILL F/ 4041' TO 4305' (264', 105'/HR) MUD WT 9.1 VIS 33
1/4/2009	0:00 - 8:00	8.00	DRLPRO	02	B	P		DRILL F/ 4305' TO 5085' (780',97.5'/HR) MUD WT 9.5 VIS 34
	8:00 - 9:00	1.00	DRLPRO	09	B	P		WIRELINE MAGNETIC SURVEY 5010'= 2.2 DEGREES AZI = 157.2
	9:00 - 10:30	1.50	DRLPRO	02	B	P		DRILL F/ 5085' TO 5188' MUD WT 9.6 VIS 34
	10:30 - 12:00	1.50	DRLPRO	04	D	X		LOSS ALL CIRC 5188'. MIXED 30% LCM PILL AND INCREASE LCM TO 6%. REGAINED CIRC. SOME SEEPAGE INCREASE LCM TO 8%. RECIEVED 340 BBLS OF 10.6 WT 4% LCM MUD FROM PIONEER 54. (LOSS 150 BBLS TOTAL)
	12:00 - 13:30	1.50	DRLPRO	07	B	Z		PROBLEMS W/ #2 PUMP DUE TO LCM, WHILE REPAIRING CHARGE PUMP #1, WORK ON PUMPS (CIRC. W/ REDUCED STROKES ON #2)
	13:30 - 0:00	10.50	DRLPRO	02	B	P		DRILL F/ 5188' TO 5936' (748', 71'/HR) MUD WT 10 VIS 38, INCREASED LCM TO 12% DUE TO CONTINUED SEEPAGE. LOSSES CONTAINED @ REPORT TIME
1/5/2009	0:00 - 2:30	2.50	DRLPRO	02	B	P		DRILL F/ 5936' TO 6098' (162',65'/HR) MUD WT 10 VIS 37
	2:30 - 3:30	1.00	DRLPRO	09	B	P		WIRELINE MAGNETIC SURVEY 6023= 2.2 DEGREES AZI= 155.8
	3:30 - 6:00	2.50	DRLPRO	02	B	P		DRILL F 6098' TO 6224' (126', 50.4'/HR) MUD WT 10+ VIS 38. LOSS ALL CIRC. (LOSS 100 BBLS)

Operation Summary Report

Well: NBU 922-32CT	Spud Conductor: 12/2/2008	Spud Date: 12/18/2008
Project: UTAH	Site: UINTAH	Rig Name No: PROPETRO/, PIONEER 68/68
Event: DRILLING	Start Date: 12/2/2008	End Date: 1/13/2009
Active Datum: RKB @5,043.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/32/0/NENW/6/PM/N/809.00/W/0/2,154.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	6:00 - 8:00	2.00	DRLPRO	04	D	P		LOST CIRC. STOP CIRC. MIX 30% LCM PILL AND PUMP DOWN HOLE, RAISE LCM TO 20% THROUGHOUT SYSTEM, REGAIN FULL CIRC.
	8:00 - 10:30	2.50	DRLPRO	07	B	Z		WORK ON PUMPS, CHANGE 5 SEATS #2 PUMP. #1 PUMP PROBLEM W/ PRESSURE.
	10:30 - 11:00	0.50	DRLPRO	06	A	P		RIG SERVICE. FUCNTION BOP'S
	11:00 - 0:00	13.00	DRLPRO	02	B	P		DRILL F/ 6224' TO 6816' (592', 53'/HR) MUD WT 10.5 VIS 40 LCM 19%, NO LOSSES @ THIS TIME.
1/6/2009	0:00 - 13:30	13.50	DRLPRO	02	B	P		DRILL F/ 6816' TO 7363' 547' TOTAL @ 40.5' HR
	13:30 - 14:00	0.50	DRLPRO	06	A	P		RIG SERVICE
	14:00 - 17:30	3.50	DRLPRO	02	B	P		DRILL F/ 7363' - 7458' 95' TOTAL @ 27.1' HR 42 VIS 11.7+ MW 19% LCM
	17:30 - 18:00	0.50	DRLPRO	04	A	P		HOLE TAKING FLUID LOST 74 BBLS,RAISE LCM TO 22%
	18:00 - 0:00	6.00	DRLPRO	02	B	P		DRILL F/ 7458' - 7690' 232' TOTAL @ 38.6' HR 40 VIS 10.7 MW 22% LCM. NO MORE MUD LOSS.
1/7/2009	0:00 - 14:00	14.00	DRLPRO	02	B	P		DRILL F/ 7690' - 8249' 559' TOTAL @ 39.9' HR WILDCAT AUTO DRILLER DOWN.
	14:00 - 14:30	0.50	DRLPRO	13	D	S		2" BOP DRAIN VALVE LEAKING MUD.
	14:30 - 15:00	0.50	DRLPRO	06	A	P		RIG SERVICE
	15:00 - 15:30	0.50	DRLPRO	07	A	S		LIGHT PLANTS DOWN
	15:30 - 16:30	1.00	DRLPRO	02	B	P		DRILL F/ 8249' - 8270' 21' TOTAL @ 21' HR. 2900 PSI & BLEW POP OFF W/ 105 SPM
	16:30 - 18:00	1.50	DRLPRO	04	C	P		CIRCULATE,MIX & PUMP PILL.DROP SURVEY
	18:00 - 0:00	6.00	DRLPRO	05	A	P		(HELD SAFETY MEETING) TOOH F/ BIT # 1,WORK TIGHT HOLE W/ JARS @ 4600' LAYDOWN NMDC & IBS,3 PLUGED JETS IN MI616 MOTOR OK!
1/8/2009	0:00 - 4:30	4.50	DRLPRO	05	A	P		(HELD SAFETY MEETING) MAKE UP NEW BIT & TIH TO 4600'
	4:30 - 5:00	0.50	DRLPRO	03	A	P		WASH & REAM TIGHT SPOT F/ 4600' - 4618'
	5:00 - 7:30	2.50	DRLPRO	05	A	P		TIH W/ BIT # 2 KELLY UP & WORK TIGHT SPOT 42' OFF BOTTOM
	7:30 - 8:00	0.50	DRLPRO	04	A	P		CIRCULATE & REPAIR AUTOMATIC DRILLER
	8:00 - 8:30	0.50	DRLPRO	03	E	P		WASH & REAM TO BOTTOM 15' FILL
	8:30 - 9:00	0.50	DRLPRO	06	A	P		RIG SERVICE & REPAIR AIR COMPRESSOR AIR LINE.
	9:00 - 20:00	11.00	DRLPRO	02	B	P		DRILL F/ 8270' - 8650' 380' TOTAL @ 34.5' HR 41 VIS / 11.8 MW / 20% LCM
	20:00 - 21:30	1.50	DRLPRO	04	C	P		CIRCULATE MIX & PUMP PILL
	21:30 - 0:00	2.50	DRLPRO	05	A	P		(HELD SAFETY MEETING) TOOH,WET TRIP 1/2 WAY OUT OF HOLE.
1/9/2009	0:00 - 5:00	5.00	DRLPRO	05	A	P		TOOH, MOTOR FAILER. WET TRIP 1/2 WAY OUT
	5:00 - 12:00	7.00	DRLPRO	05	A	P		HELD SAFETY MEETING) SWITCH MOTORS & BIT,TIH
	12:00 - 12:30	0.50	DRLPRO	03	E	P		WASH & REAM 15' TO BOTTOM, NO FILL.
	12:30 - 16:00	3.50	DRLPRO	02	B	P		DRILL F/ 8653' TO 8748' 95' TOTAL @ 27.1' HR
	16:00 - 17:00	1.00	DRLPRO	06	D	S		BAD SPOT FOUND ON DRILL LINE ON DRUM,SLIP & CUT DRLG LINE. CIRCULATING HOLE W/ SWEDGE
	17:00 - 23:00	6.00	DRLPRO	06	A	P		DRILLF/ 8748' - 8840' 92' TOTAL @ 15.3' HR 42 VIS 12.2 MW / 19% LCM
	23:00 - 0:00	1.00	DRLPRO	04	C	P		CIRCULATE F/ TOOH
1/10/2009	0:00 - 7:30	7.50	DRLPRO	05	A	P		(HELD SAFETY MEETING) TOOH,LAYDOWN MOTOR & BIT
	7:30 - 9:30	2.00	DRLPRO	05	A	P		MAKE UP NEW BIT & TIH TO SHOE. NO JET NOZELS IN BIT

ROCKIES

Operation Summary Report

Well: NBU 922-32CT	Spud Conductor: 12/2/2008	Spud Date: 12/18/2008
Project: UTAH	Site: UINTAH	Rig Name No: PROPETRO/, PIONEER 68/68
Event: DRILLING	Start Date: 12/2/2008	End Date: 1/13/2009
Active Datum: RKB @5,043.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/32/0/NENW/6/PM/N/809.00/W/0/2,154.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	9:30 - 13:00	3.50	DRLPRO	04	A	P		TRANSFER MUD TO 400 UPRIGHTS OUT OF SUCTION PIT & CLEAN OUT EXCESSIVE SHALE & ROCK BUILD UP,TRANSFER MUD BACK TO SUCTION PIT.
	13:00 - 18:00	5.00	DRLPRO	05	A	P		TIH W/ BIT # 4
	18:00 - 18:30	0.50	DRLPRO	04	A	P		HOLE TAKING FLUID,CIRCULATE,MIX LCM & BUILD VOLUME
	18:30 - 0:00	5.50	DRLPRO	02	A	P		DRILL F/ 8843' - 8904' 61' TOTAL @ 11.0' HR
1/11/2009	0:00 - 9:00	9.00	DRLPRO	02	A	P		DRILL F/ 8904' - 9033' 129' TOTAL @ 14.3' HR
	9:00 - 9:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	9:30 - 20:30	11.00	DRLPRO	02	A	P		DRILL F/ 9033' - 9275' TD 242' TOTAL @ 22.0' HR 42 VIS / 12.2 MW / 20% LCM
	20:30 - 22:00	1.50	DRLPRO	04	C	P		CIRCULATE F/ SHORT TRIP
	22:00 - 23:00	1.00	DRLPRO	05	E	P		SHORT TRIP 10 STDS TO 8612'
	23:00 - 0:00	1.00	DRLPRO	04	C	P		CIRCULATE TO LDDS
1/12/2009	0:00 - 1:00	1.00	DRLPRO	04	C	P		CIRCULATE TO LDDS
	1:00 - 13:00	12.00	DRLPRO	05	B	P		(HELD SAFETY MEETING) LDDS,BREAK DOWN KELLY,LD BHA. RIG DOWN WEATHERFORD.
	13:00 - 18:00	5.00	DRLPRO	08	F	P		(HELD SAFETY MEETING) RIG UP HALLIBURTON & RUN TRIPLE COMBO F/ 9287' TO SHOE & GR TO SURFACE.RIG DOWN
	18:00 - 19:30	1.50	DRLPRO	11	A	P		(HELD SAFETY MEETING) RIG UP WEATHERFORD CSG CREW
	19:30 - 0:00	4.50	DRLPRO	11	B	P		RUN 4.5 PRODUCTION CSG,FILL CSG & CIRC EVERY 40 JTS BECAUSE OF LCM.
1/13/2009	0:00 - 3:00	3.00	DRLPRO	11	B	P		RUN 4.5 PRODUCTION CSG TAG @ 9287' PICK UP FLUTED MANDREL & LAND CASING
	3:00 - 5:00	2.00	DRLPRO	04	E	P		CIRCULATE OUT GAS & RIG DOWN WEATHERFORD.
	5:00 - 11:00	6.00	DRLPRO	15	A	P		(HELD SAFETY MEETING) & RIG UP BJ. SWITCH LINE & TEST TO 4500 PSI. (PUMP 20 BBLS MUD CLEAN @ 8.3 PPG) (PUMP 30 BBLS SCAVENGER 20 SCKS PREMIUN LITE 11 @ 9.5 PPG,8.35 cF SACK YIELD) (PUMP 185 BBLS LEAD 400 SCKS PREMIUM LITE 11 @ 11.7 PPG,2.60cF SACK YIELD) (PUMP 292 BBLS TAIL 1250 SCKS 50:50 POZ MIX @ 14.3 PPG,1.31 cF SACK YIELD) (WASH LINES DROP PLUG & DISPLACE W/ 143.3 BBLS WATER CLAYTREATED + 1 GL MAGNACIDE @ 8.3 PPG) (BUMP PLIUG W/ 3413 PSI,PLUG HELD) (2740 PUMPING PSI) (673 OVER PSI) (LOST DISPLACEMENT 120 BBLS INTO DISPLACEMENT) (1.5 BBLS BLEED OFF) (RIG DOWN BJ & ATTEMPT TO SET MANDREL PACKING ASSEMBLY # 1 ASSEMBLY PULLED OUT AFTER LOCK DOWN. REINSTALL PACKING ASSEMBLY # 2 LOCK DOWN & TEST TO 5000 PSI.
	11:00 - 16:00	5.00	DRLPRO	13	A	P		NIPPLE DOWN BOP,DROP CHLORINE TABS DOWN CSG,INSTALL NIGHT CAP & CLEAN MUD PITS. RELEASE RIG @ 16:00 01/13/2008

ROCKIES

Operation Summary Report

Well: NBU 922-32CT	Spud Conductor: 12/2/2008	Spud Date: 12/18/2008
Project: UTAH	Site: UINTAH	Rig Name No: KEY 243/243
Event: COMPLETION	Start Date: 2/12/2009	End Date:
Active Datum: RKB @5,043.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/32/0/NENW/6/PM/N/809.00/W/0/2,154.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
2/12/2009	7:00 - 7:15	0.25	COMP	48		P		HSM, REVIEW R/D & R/U
	7:15 - 16:30	9.25	COMP	47	A	P		ROAD RIG FROM NBU 922-34D3 TO NBU 922-32CT, MIRU, SPOT EQUIP, TALLEY & P/U 150 JNTS 2-3/8 J-55 TBG, L/D 3 JNTS SWIFN.
2/13/2009	7:00 - 7:15	0.25	COMP	48	B	P		HSM, REVIEW P/U TBG
	7:15 - 7:15	0.00	COMP	47	B	P		OPEN WELL CONTINUE TO RIH TO 7300', POOH STNDG BACK, N/D BOPS, N/U FRAC VALVES, MIRU B&C TESTERS, P/T FRAC VALVES & CSG VALVES TO 7500#, [GOOD TEST]. MIRU CUTTERS WIRE LINE, P/U RIH W/ 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90* PH, 9140'-9146' 24 HOLES, 9114'-9118 16 HOLES [40 HOLES] SWI. PREP TO FRAC.
2/16/2009	7:00 - 7:15	0.25	COMP	48		P		HSM, WORKING W/ WIRE LINE

Operation Summary Report

Well: NBU 922-32CT	Spud Conductor: 12/2/2008	Spud Date: 12/18/2008	
Project: UTAH	Site: UINTAH		Rig Name No: KEY 243/243
Event: COMPLETION	Start Date: 2/12/2009		End Date:
Active Datum: RKB @5,043.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/32/0/NENW/6/PM/N/809.00/W/0/2,154.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:15 - 17:00	9.75	COMP	36	E	P		MIRU CUTTERS WIRE LINE & WEATHERFORD FRAC, P/T SURFACE LINES TO 8500#. STG #1] 8:30 OPEN WELL WHP=1300#, BRK DN PERFS @ 3555#, INJT PSI=5050#, INJT RT=50.8, ISIP=2785#, FG=.75, PUMP'D 2147.2 BBLS SLK WTR W/ 80518# SAND W/ 4738# RESIN COAT IN TAIL, ISIP=2792#, FG=.75, AR=50.9, AP=4656#, MR=52.9, MP=6829#, NPI=7#, 40/40 CALC PERFS OPEN. STG #2] P/U RIH W/ BKR 8K CBP & PERF GUN. SET CBP @ 9000', PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90* PH, 8962'-8970' 32 HOLES, 8832'-8834' 8 HOLES [40 HOLES]. WHP=1200#, BRK DN PERFS @ 3510#, INJT PSI=6110#, INJT RT=50.4, ISIP=2335#, FG=.71, PUMP'D 1035.9 BBLS W/ 37681# SAND W/ 5048# RESIN COAT IN TAIL, ISIP=2843#, FG=.76, AR=50.8, AP=4842#, MR=51.4, MP=6688#, NPI=504, 25/40 CALC PERFS OPEN. STG#3] P/U RIH W/ BKR 8K CBP & PERF GUN. SET CBP @ 8766', PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90* PH, 8730'-8736', 24 HOLES, 8702'-8706' 16 HOLES [40 HOLES] WHP=830#, INJT PSI=5550#, INJT RT=50.7, ISIP=2477#, FG=.73, PUMP'D 1652.5 BBLS SLK WTR W/ 58903# SAND W/ 5059# RESIN COAT IN TAIL, ISIP=3008#, FG=.79, AR=50.8, AP=481#, MR=51.4, MP=7892#, NPI=531#, 25/40 CALC PERFS OPEN. [NOTE 16 BBLS LEFT IN FLUSH SCREENED OFF, FLOWED WELL BACK & REFLUSHED] STG #4] P/U RIH W/ BKR 8K CBP & PERF GUN. SET CBP @ 8646', PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90* PH, 8608'-8616' 32 HOLES, 8522'-8524' 8 HOLES [40 HOLES] WHP=2460#, INJT PSI=6000#, INJT RT=50.8, ISIP=2496#, FG=.74, PUMP'D 3523 BBLS SLK WTR W/ 121579# SAND W/ 5194# RESIN COAT IN TAIL. ISIP=2581#, FG=.75, AR=42.8, AP=6259#, MR=51.2, MP=7411#, NPI=85#, 25/40 CALC PERFS OPEN. PICKLED WELL SWIFN.
2/17/2009	7:00 - 7:15	0.25	COMP	48		P		HSM, FRACING

Operation Summary Report

Well: NBU 922-32CT	Spud Conductor: 12/2/2008	Spud Date: 12/18/2008
Project: UTAH	Site: UINTAH	Rig Name No: KEY 243/243
Event: COMPLETION	Start Date: 2/12/2009	End Date:
Active Datum: RKB @5,043.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/32/0/NENW/6/PM/N/809.00/W/0/2,154.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:15 - 17:00	9.75	COMP	36	E	P		STG #5] OPEN WELL P/U RIH W/ BKR 8K CBP & PERF GUN, SET CBP @ 8451', PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90* PH, 8415'-8421' 24 HOLES, 8362'-8364' 8 HOLES, 8302'-8304' 8 HOLES [40 HOLES] WHP=2000#, INJT PSI=4850#, INJT RT=50.9, ISIP=2109#, FG=.70, PUMP'D 3135 BBLS SLK WTR W/ 124715# SAND W/ 5005# RESIN COAT IN TAIL, ISIP=2506#, FG=.74, AR=51, AP=4424#, MR=51.4, MP=5504#, NPI=397#, 30/40 CALC PERFS OPEN. STG #6] P/U RIH W/ BKR 8K CBP & PERF GUN. SET CBP @ 8171', PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90* PH, 8135'-8141' 24 HOLES, 8076'-8080' 16 HOLES [40 HOLES] WHP=500#, INJT PSI=4000#, INJT RT=44.7, ISIP=2190#, FG=.71, PUMP'D 1531.3 BBLS SLK WTR W/ # SAND W/ 5300# RESIN COAT IN TAIL, ISIP=2587#, FG=.76, AR=49.9, AP=4021#, MR=50.1, MP=4461#, NPI=397#, 40/40 CALC PERFS OPEN. STG #7] P/U RIH W/ BKR 8K CBP & PERF GUN. SeT CBP @ 7798', PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90* PH, 7762'-7768' 24 HOLES, 7706'-7710' 16 HOLES [40 HOLES] WHP=0#, BRK DN PERFS @ 3212#, INJT PSI=5025#, INJT RT=50.2, ISIP=1976#, FG=.70, PUMP'D 1033.4 BBLS SLK WTR W/ 38332# SAND W/ 5430# RESIN COAT IN TAIL, ISIP=2477#, FG=.76, AR=50.8, AP=4381#, MR=51.1, MP=5480#, NPI=501#, 33/40 CALC PERFS OPEN. STG #8] P/U RIH W/ BKR 8K CBP & PERF GUN, SET CBP @ 7570', PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90* PH, 7535'-7540' 20 HOLES, 7475'-7480' 20 HOLES [40 HOLES] WHP=0#, BRK DN PERFS @ 3128#, INJT PSI=3770#, INJT RT=50.4, ISIP=1743#, FG=.68, PUMP'D BBLS SLK WTR W/ # SAND W/ # RESIN COAT IN TAIL, ISIP=#, FG=., AR=, AP=#, MR=, MP=#, NPI=#, 40/40 CALC PERFS OPEN. P/U RIH W/ BKR 8K CBP & SET @ 7425' POOH R/D CUTTERS WIRE LINE & WEATHERFORD FRAC EQUIP. N/D FRAC VALVES, N/U BOPS, P/U 3-7/8 BIT W/ POBS, RIH W/ 2-3/8 TBG TO 7425' P/U PWR SWVL READY TO DRL IN A.M SWIFN.
2/18/2009	7:00 - 7:15	0.25	COMP	48		P		HSM, DRLG PLUGS

Operation Summary Report

Well: NBU 922-32CT	Spud Conductor: 12/2/2008	Spud Date: 12/18/2008
Project: UTAH	Site: UINTAH	Rig Name No: KEY 243/243
Event: COMPLETION	Start Date: 2/12/2009	End Date:
Active Datum: RKB @5,043.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/32/0/NENW/6/PM/N/809.00/W/0/2,154.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:15 - 18:00	10.75	COMP	44	C	P		OPEN WELL 0# SITP, 0# SICP, EST CIRC W/ RIG PUMP, PLUG #1] DRL THROUGH BKR 8K CBP @ 7426' IN 10 MIN. 300# INCREASE. PLUG #2] CONTINUE TO RIH TAG SAND @ 7540' [33' FILL] C/O & DRL THROUGH BKR 8K CBP @ 7570' IN 10 MIN. 300# INCREASE. PLUG #3] CONTINUE TO RIH TAG SAND @ 7762' [36' FILL] C/O & DRL THROUGH BKR 8K CBP @ 7798' IN 10 MIN. 800# INCREASE. PLUG #4] CONTINUE TO RIH TAG SAND @ 8140' [30' FILL] C/O & DRL THROUGH BKR 8K CBP @ 8171' IN 10 MIN. 600# INCREASE. PLUG #5] CONTINUE TO RIH TAG SAND @ 8364' [97' FILL] C/O & DRL THROUGH BKR 8K CBP @ 8461' IN 10 MIN. 200# INCREASE. PLUG #6] CONTINUE TO RIH TAG SAND @ 8616' [30' FILL] C/O & DRL THROUGH BKR 8K CBP @ 8646' IN 10 MIN. 200# INCREASE. PLUG #7] CONTINUE TO RIH TAG SAND @ 8736' [30' FILL] C/O & DRL THROUGH BKR 8K CBP @ 8766' IN 10 MIN. 300# INCREASE. PLUG #8] CONTINUE TO RIH TAG SAND @ 8860' [140' FILL] C/O DRL THROUGH BKR 8K CBP @ 9000' IN 10 MIN. 100# INCREASE. CONTINUE TO RIH & C/O TO PBTD @ 9219' CIRC HOLE, R/D PWR SWVL, L/D 23 JNTS ON FLOAT, P/U HANGER & LAND W/ 286 JNTS 2-3/8 J-55 TBG, EOT @ 8801.41, R/D TBG EQUIP, N/D BOPS, N/U WELL HEAD, DROP BALL PUMP OFF BIT @ 2300#, TURN WELL OVER TO FLOW BACK CREW. LEFT SHUT IN FOR 30 MIN BEFORE FLOWING BACK.
2/19/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2400#, TP 2150#, 20/64" CK, 60 BWPH, - SAND, - GAS TTL BBLS RECOVERED: 4755 BBLS LEFT TO RECOVER: 11300
2/20/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3200#, TP 2350#, 20/64" CK, 55 BWPH, - SAND, - GAS TTL BBLS RECOVERED: 5190 BBLS LEFT TO RECOVER: 9910
2/21/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3400#, TP 2500#, 18/64" CK, 25 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 5998 BBLS LEFT TO RECOVER: 9102
2/22/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3100#, TP 2300#, 20/64" CK, 20 BWPH, - SAND, - GAS TTL BBLS RECOVERED: 6548 BBLS LEFT TO RECOVER: 8552

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22649

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

8. WELL NAME and NUMBER: NBU 922-32CT

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304740133

3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10 FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 809'FNL, 2154'FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH:

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 32 9S, 22E

12. COUNTY: UINTAH

13. STATE: UTAH

14. DATE SPUDDED:	15. DATE T.D. REACHED:	16. DATE COMPLETED:			17. ELEVATIONS (DF, RKB, RT, GL):
12/2/2008	1/11/2009	2/20/2009	ABANDONED ☐	READY TO PRODUCE ☑	5025'GL

18. TOTAL DEPTH: MD 9,275 TVD	19. PLUG BACK T.D.: MD 9,219 TVD	20. IF MULTIPLE COMPLETIONS, HOW MANY? *	21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
CBL-CCL-GR
SD,DSN,ACTR

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 J-55	36#		2,420		700			
7 7/8"	4 1/2 I-80	11.6#		9,275		1650			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	8,801							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) MESAVERDE	7,475	9,146		
(B) WSMVD				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
7,475 9,146	0.36	320	Open ☑ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7475'-9146'	PMP 15,092 BBLS SLICK H2O & 559,542# 30/50 OTTOWA SD

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: PROD

RECEIVED
MAR 23 2009
DIV. OF OIL, GAS & MINING

(5/2000) **(CONTINUED ON BACK)**

31. INITIAL PRODUCTION — **INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
2/20/2009	2/23/2009	24		0	2,520	480	FLOWING

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
18/64	2,450	3,041					0	2,520	480	PROD

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
GREEN RIVER	1,359				
BIRDS NEST	1,678				
MAHOGANY	2,153				
WASATCH	4,595	7,092			
MESAVERDE	7,107	9,238			

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 3/17/2009

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

API Well No: 43047401330000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22649

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 922-32CT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047401330000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0809 FNL 2154 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 32 Township: 09.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ✓ **NOTICE OF INTENT** Approximate date work will start: 11/24/2009
- ☐ **SUBSEQUENT REPORT** Date of Work Completion:
- ☐ **SPUD REPORT** Date of Spud:
- ☐ **DRILLING REPORT** Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Frac Factory/ Refurb Pit

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, LP is requesting to refurb the existing pit on this well pad for completion operations. The refurb pit will be relined per the requirements in the COA of the APD. Upon completion of the wells on this pad, Kerr-McGee is also requesting to utilize this pit as a Frac Factory staging pit to be utilized for other completion operations in the area. There will be a 2-400 bbl skim tanks placed on the location. The trucks will unload water into these tanks before the water is placed into the refurbed pit. The purpose of the skim tanks is to collect any hydro-carbons that may have been associated with the other completion operations before releasing into the pit. We plan to keep this pit open for 1 year. During this time the surrounding well location completion fluids will be recycled in this pit and utilized for other frac jobs in the area. Thank you.

Approved by the Utah Division of Oil, Gas and Mining

Date: December 15, 2009

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE N/A		**DATE** 11/23/2009

RECEIVED November 23, 2009

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047401330000

Conditions of Approval

1. A synthetic liner with a minimum thickness of 30 mils with a felt subliner shall be properly installed and maintained in the pit.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: December 15, 2009

By:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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PHONE NUMBER: 720 929-6100

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0809 FNL 2154 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 32 Township: 09.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 7/15/2015	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☑ OTHER	OTHER: TUBING OBSTRUCTION

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A WORKOVER FOR TUBING OBSTRUCTION HAS BEEN COMPLETED ON THE NBU 922-32CT, SEE THE ATTACHED OPERATIONS SUMMARY REPORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
July 20, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Doreen Green	435 781-9758	Regulatory Analyst II
SIGNATURE N/A		**DATE** 7/20/2015

RECEIVED: Jul. 20, 2015

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-32CT	Spud Conductor: 12/2/2008	Spud date: 12/18/2008	
Project: UTAH-UINTAH	Site: NBU 922-32CT		Rig name no.: MILES 2/2
Event: WELL WORK EXPENSE	Start date: 7/9/2015		End date: 7/15/2015
Active datum: RKB @5,043.00usft (above Mean Sea Level)	UWI: 0/9/S/22/E/32/0/NENW/6/PM/N/809.00/W/0/2,154.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
6/30/2015	7:00 - 13:00	6.00	MAINT	35	D	P		got to location and tried to trip plunger was not able to trip ran down with JDC Equilized well to the casing pressure. Ran down and tagged plunger @8,085 came up out of the hole and got hung up @7,863 sat and tried making my way threw kept getting hung up and would come down where i was stacking out and come up slow after 45min trying to come out of where i was getting hung up was able to get past it kept getting hung up so i would come out slow and when my weight indicator would get to 850Lbs i would stop and try to let some of the scale and fluid get past. my weight would drop and i would start coming out of the hole once again. did that up to 6,200 is where my weight dropped and was weighing normal came out of well slow in case i got hung up again. Clean up plunger 1.88 had a lot of dings and dents on plunger. re build scratcher and ran down with it. hit some tight spots going down starting @1,700-1,800/'3,420/3,663/4,520/6,630/6,900-7,222 /7,580-7,832/8,143 stacked out and beat my way down to 8,175 sat and beat for about one hour and made it to 7,178 beat down from that depth to 8,180 for about one hour came out of hole and blew well down. as well was blowing i pulled line and tied new rope socket. kept checking well to see if it would unload and was not unloading blew well for about one hour and a half rig down and called John Young to see what he wanted me to do. left plunger on well head and kicked well to sales. called pumper to let him know what i did to the well and parked wireline truck at savage yard.
7/9/2015	7:00 - 7:30	0.50	MAINT			P		HSM, RIGGING DOWN & MOVEING EQUIP.
	7:30 - 10:30	3.00	MAINT	30	A	P		RIG DOWN OFF NBU 922-29I3DS, MIRU, CONTROL TBG W/ 30 BBLS CSG W/ 20 BBLS T-MAC, ND WH UNLAND TBG NOT STUCK RELAND.
	10:30 - 11:30	1.00	MAINT	30	F	P		NU BOPS RU FLOOR & TBG EQUIP UNLAND L/D HANGER, PU 18 JTS 23/8 L-80 TAG UP @ 9163' 17' BELOW BTM PERF, L/D 18 JTS
	11:30 - 14:30	3.00	MAINT	45	A	P		RU SCANTECH, SCAN & S.L.M OUT W/ 116 JTS 23/8 J-55,
	14:30 - 16:00	1.50	MAINT	46	C	W		WAITING FOR LIGHTNING STORM TO BLOW OVER NEVER QUIT SWI SDFN.
7/10/2015	7:00 - 7:30	0.50		48		P		HSM, PULLING WET TRIP & WATCHING FOR TOOLS STUCK IN TBG.

RECEIVED: Jul. 20, 2015

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-32CT	Spud Conductor: 12/2/2008	Spud date: 12/18/2008
Project: UTAH-UINTAH	Site: NBU 922-32CT	Rig name no.: MILES 2/2
Event: WELL WORK EXPENSE	Start date: 7/9/2015	End date: 7/15/2015
Active datum: RKB @5,043.00usft (above Mean Sea Level)	UWI: 0/9/S/22/E/32/0/NENW/6/PM/N/809.00/W/0/2,154.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	7:30 - 10:30	3.00	MAINT	45	A	P		SICP 450, SITP 0, OPEN CSG TO FB TNK, SCAN OUT W/ REM 160 JTS 23/8 J-55 WET TBG PLUGGED,TOTAL OF 276 JTS, YB 111, BB 48, RED 117, LAST JT HAD SPRING IN X/N FISH NECK WAS GONE, HEAVEY EXT PITTING & WALL LOSS JTS 9-160, HOLE IN JT 81, HEAVEY EXT PITTING JTS 85-94, HEAVEY PITTING IN PINS JTS 30-38, MED EXT SCALE JTS 251-263, HEAVY EXT SCALE JTS 264-276, HEAVY INT SCALE JTS 250-276.
	10:30 - 15:00	4.50	MAINT	31	I	P		RD NSCAN TECH, RIH W/ 37/8 SLUAGH MILL & 159 JTS 23/8 J-55 FROM WELL, 6' L-80 PUP JT, 3 JTS 23/8 P-110 EOT @ 5015 ', JUST ABOVE TOP PERF, PREP TO C/O 7/13/15 SWI SDFWE.
7/13/2015	7:00 - 7:30	0.50	MAINT	48		P		HSM, WORKINGB W/ FOAM UNIT
	7:30 - 9:30	2.00	MAINT	31	I	P		SICP & SITP 675, OPEN CSG TO FB TNK, CONTROL TBG W/ 15 BBLS T-MAC, PU 104 JTS TOTAL 266 JTS IN TAGGED UP @ 8310', RU DRLG EQUIP INSTALLED TSF, BROKE CIRC W/ AIR/FOAM IN 1 HR 10 MIN.
	9:30 - 17:00	7.50	MAINT	44	D	P		C/O HARD SCALE F/ 8310' TO 8955' CIRC CLN, KILL TBG, POOH 20 JTS REM TSF, RIH 20 JTS INST TSF, SWI SDFN.
7/14/2015	7:00 - 7:30	0.50	MAINT	48		P		HSM, WORKING W/ FOAM INIT & POWER SWIVEL.
	7:30 - 10:30	3.00	MAINT	44	D	P		SICP 700, OPEN CSG TO FB TNK, BROKE CIRC W/ AIR/FOAM, C/O HARD SCALE F/ 8955' TO 9146' SAND F/ 9146' TO 9210' PBTD @ 9219', CIRC CLN, KILL TBG, RD SWIVEL.
	10:30 - 17:00	6.50	MAINT	31	I	P		L/D 8 JTS REM TSF, L/D 11 JTS. POOH W/ 116 JTS 23/8 P-110, 6' L-80 PUP JT, 159 JTS 23/8 J-55 L/D MILL. PU RIH W/ 1.875 X/N & 215 JTS 23/8,BROACHING EOT @ 6704' SWI SDFN.
7/15/2015	7:00 - 7:30	0.50	MAINT	48		P		HSM, BROACHING TBG W/ SAND LINE.
	7:30 - 15:00	7.50	MAINT	31	I	P		SICP & SITP 600 PSI, OPEN CSG TO FB TNK, CONTROL TBG W/ 20 BBLS T-MAC, RIH W/ REM 60 JTS 23/8 P-110 BROACHING, LAND TBG, ND BOPS, NU WH SWI FOR BUILD UP, WELL WAS CLEANED OUT W/ AIR/FOAM WILL NEED TO BE PURGE BEFORE START UP. RDMOL TO CLOSE BY NBU 1022-4H PAD PREP TO MIRU 7/16/15, SDFD K-B = 18' HANGER = .83' 116 JTS 23/8 P-110 = 3685.56' PUP JT L-80 = 6.09' 159 JTS 23/8 J-55 = 4902.13' X/N 1.875 = 1.05' EOT @ 8613.66' TWLTR 80 BBLS

RECEIVED: Jul. 20, 2015